ISSN 0168-9002

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH

Editor-in-Chief: Kai Siegbahn

Section A: accelerators, spectrometers, detectors and associated equipment

Editors: Kai Siegbahn & Erik Karlsson

THIS INDEX COMPLETES VOLUME A330

MASTER INDEX

VOLUMES A321–A330

North-Holland

1993 PHYSICS and MATERIALS SCIENCE JOURNALS

Applied Surface Science
Volumes 63-71 in 36 issues. Price: US $ 2022.00 / Dfl. 3357.00

Astroparticle Physics
Volume 1 in 4 issues. Price: US $ 191.50/Dfl. 318.00

Computational Materials Science
Volume 1 in 4 issues. Price: US $ 221.50/Dfl. 368.00

Computer Physics Communications
Volumes 72-78 in 21 issues. Price: US $ 2332.00 / Dfl. 3871.00

International Journal of Applied Electromagnetics in Materials
Volume 4 in 4 issues. Price: US $209.50 / Dfl. 348.00

Journal of Crystal Growth
Volumes 124-134 in 44 issues. Price: US $ 4990.00 / Dfl. 8283.00

Journal of Geometry and Physics
Volumes 11 and 12 in 8 issues. Price: US $371.00/Dfl.616.00

Journal of Luminescence
Volumes 55-58 in 24 issues. Price: US $ 1115.50 / Dfl. 1852.00

Journal of Magnetism and Magnetic Materials
Volumes 114-125 in 36 issues. Price: US $ 3455.50 / Dfl. 5736.00

Journal of Non-Crystalline Solids
Volumes 149-161 in 39 issues. Price: US $ 3312.50 / Dfl. 5499.00

Journal of Nuclear Materials
Volumes 195-205 in 33 issues. Price: US $ 3200.00 / Dfl. 5313.00

Materials Letters
Volumes 15-18 in 24 issues. Price: US $ 935.00 / Dfl. 1552.00

Nuclear Instruments and Methods in Physics Research - Section A
Accelerators, Spectrometers, Detectors & Associated Equipment
Volumes 323-336 in 42 issues. Price: US $ 5381.00 / Dfl. 8932.00

Nuclear Instruments and Methods in Physics Research - Section B
Beam Interactions with Materials and Atoms
Volumes 72-82 in 44 issues. Price: US $ 4228.00 / Dfl. 7018.00
Reduced combined 1993 subscription price to Nuclear Instruments and Methods - A and B: US $ 8931.00 / Dfl. 14825.00

Nuclear Physics A
Volumes 551-565 in 60 issues. Price: US $ 4952.00 / Dfl. 8220.00

Nuclear Physics B
Volumes 387-408 in 66 issues. Price: US $ 7262.50 / Dfl. 12,056.00

Nuclear Physics B - Proceedings Supplements
Volumes 29-33 in 15 issues Price: US $ 912.50 / Dfl. 1515.00
Reduced combined 1993 subscription price to Nuclear Physics A + Nuclear Physics B + NPB-Proceedings Supplements: US $11,082.00/Dfl.18,396.00

Optical Materials
Volume 2 in 4 issues. Price: US $ 212.50 / Dfl. 353.00

Optics Communications
Volumes 94-102 in 54 issues. Price: US $ 2185.00 / Dfl. 3627.00

Physica A - Statistical and Theoretical Physics
Volumes 190-200 in 44 issues. Price: US $ 2637.00 / Dfl. 4378.00*

Physica B - Condensed Matter Physics
Volumes 183-191 in 36 issues. Price: US $ 2158.00 / Dfl. 3582.00*

Physica C - Superconductivity
Volumes 202-218 in 68 issues. Price: US $ 4076.00 / Dfl. 6766.00*

Physica D - Nonlinear Phenomena
Volumes 61-69 in 36 issues. Price: US $ 2158.00 / Dfl. 3582.00*

**Reduced rates are available for combined subscriptions to Physica; please contact the publisher for details.*

Physics Letters A
Volumes 172-184 in 78 issues. Price: US $ 2608.00 / Dfl. 4329.00

Physics Letters B
Volumes 294-316 in 92 issues. Price: US $ 4683.00 / Dfl. 7774.00

Physics Reports
Volumes 228-239 in 72 issues. Price: US $ 2443.00 / Dfl. 4056.00
Reduced combined 1993 subscription price to Physics Letters A, Physics Letters B & Physics Reports: US $ 8617.00 / Dfl. 14,304.00

Solid State Ionics
Volumes 59-67 in 36 issues. Price: US $ 1859.00 / Dfl. 3087.00

Surface Science
(including Surface Science Letters)
Volumes 276-295 in 60 issues. Price: US $ 5759.00 / Dfl. 9560.00

Surface Science Reports
Volume 16 and 17 in 16 issues. Price: US $ 443.00 / Dfl. 736.00
Reduced combined 1993 subscription price to Surface Science (including Surface Science Letters), Applied Surface Science and Surface Science Reports: US $ 7619.00 / Dfl. 12,648.00

Ultramicroscopy
Volumes 47-51 in 20 issues. Price: US $ 1184.00 / Dfl. 1965.00

The Dutch Guilder price (Dfl.) is definitive. The US $ price is for your guidance only as same is subject to exchange rate fluctuations. Journals are sent by Surface Mail to all countries except to the following where Air Delivery via SAL mail is ensured at no extra cost to the subscriber: Argentina, Australia/New Zealand, Brazil, Hong Kong, India, Israel, Japan, Malaysia, Mexico, Pakistan, P.R. China, Singapore, S. Africa, S. Korea, Taiwan, Thailand, USA & Canada. Customers in the European Community should add the appropriate VAT rate applicable in their country to the price(s).

ELSEVIER SCIENCE PUBLISHERS

P.O. Box 103, 1000 AC Amsterdam, The Netherlands

Elsevier Science Publishers, Journal Information Center, PO Box 882, Madison Square Station, New York, NY 10159, U.S.A.

415/j/jnls.chp

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH

Editor-in-Chief: Kai Siegbahn

Section A: accelerators, spectrometers, detectors and associated equipment

Editors: Kai Siegbahn & Erik Karlsson

MASTER INDEX

VOLUMES A321–A330

NORTH-HOLLAND

Nuclear Instruments and Methods in Physics Research A
North-Holland

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH
Section A

Author index to volumes A321–A330

Aalste, M., see Brenner, R. A326 (1993) 189
Abachi, S., see DØ Collaboration A324 (1993) 53
Abbott, B., R. Davies, D. Koltick, R. McIlwain, C.J. Schmitz, E.I. Shibata, M. Atac, B. Baumbaugh, J. Jaques, R. Kehoe, J. Marchant, R. Ruchti, J. Warchol, M. Wayne, M. Binkley, J. Elias, H. Goldberg, S. Margulies, J. Solomon, T. Armstrong, R. Lewis and G. Smith, Test beam results using scintillating fibers read out by a multianode phototube and visible light photon counters A327 (1993) 319
Abdel-Aal, R.E., A CAMAC display module for fast bit-mapped graphics A322 (1992) 78
Abe, H., see Usuda, S. A321 (1992) 242
Abe, H., see Usuda, S. A321 (1992) 247
Abe, K., see Masuda, K. A327 (1993) 134
Abe, K., see Uno, S. A330 (1993) 55
Abe, M., see Asano, Y. A325 (1993) 109
Abolins, M., see DØ Collaboration A324 (1993) 53
Abolins, M., see Aihara, H. A325 (1993) 393
Abt, I., see Axen, D. A328 (1993) 472
Acquadro, J.C., E. Farrelly Pessoa and O. Sala, Beam optics studies. Transport from USP Pelletron exit to linac entrance A324 (1993) 1
Adachi, I., see Uno, S. A330 (1993) 55
Adams, D.L., see Supek, I. A324 (1993) 19
Adams, J.M., O.N. Jarvis, G.J. Sadler, D.B. Syme and N. Watkins, The JET neutron emission profile monitor A329 (1993) 277
Adeva, B., M. Aguilar-Benitez, J. Alcaraz, A. Aloisio, M.G. Alviggi, D. Antreasyan, U. Becker, J. Berdugo, G.J. Bobbink, E. Brambilla, J.D. Branson, A. Bujak, C. Burgos, J.D. Burger, G. Carlino, M. Cerrada, Y.H. Chang, G. Chiefari, N. Colino, E. Drago, P. Duinker, I. Duran, F. Erne, R. Fabbretti, M. Fabre, S.S. Gau, M. Gettner, E. Gonzalez, H. Van Der Graaf, D. Guesewell, L.G. Gutay, F.G. Hartjes, G. Hu, V. Innocente, B.N. Jin, A.C. König, K.S. Kummar, S. Lanzano, J.M. Legoff, X. Leijtens, L. Li, C. Maňa, Y.F. Mao, L. Martinez-Laso, G.G.G. Massaro, P. McBride, T. McMahon, L. Merola, H. Onvlee, G. Paternoster, S. Patricelli, Y. Peng, D. Piccolo, O. Prokofiev, J.M. Qian, P. Razis, B.C. Riemers, L. Romero, J.A. Rubio, H. Rykaczewski, J. Salicio, M. Sarakinos, A. Schetkovsky, P. Schmitt, J. Schütte, C. Sciacca, I.I. Scott, P.G. Seiler, V. Suvorov, K. Strauch, C. Timmermans, S. Volkov, J.H. Wang, Q.F. Wang, Z.M. Wang, T. Wenaus, M. White, R. Wilhelm, C. Willmott, B. Wysłouch, F.Y. Xi, B.Z. Yang, C.G. Yang, Q.Y. Yang, C.H. Ye and Z.P. Zhang, A high resolution muon detector A323 (1992) 109
Adinolfi, M., C. Angelini, D. Barney, A. Cardini, B.R. French, R.B. Hurst, C. Lazzeroni, P. Martinengo, A. Menetrey, C. Roda and L. Rossi, A microstrip Decay Detector for beauty physics A329 (1993) 117
Adler, R., see CPLEAR Collaboration A321 (1992) 458
Adye, T., see Bingefors, N. A328 (1993) 447
Afanasiev, S., see Kozma, P. A322 (1992) 302
Afanasiev, S., see Kozma, P. A328 (1993) 599
Affatato, S., G. Artusi, G. Avoni, O. Baglioni, A. Bertin, M. Bruschi, D. Bulgarelli, M. Capponi, I. D'Antone, S. De Castro, D. Galli, U. Marconi, I. Massa, M. Morganti, G. Paolucci, M. Piccinini, M. Poli, N. Semprini-Cesari, R. Spighi, S. Tuffanelli, S. Vecchi, M. Villa, A. Vitale, S. Zagato, G. Zavattini and A. Zoccoli, The electromagnetic calorimeter for the OBELIX experiment A325 (1993) 417
Aftab, Z., see Anzivino, G. A329 (1993) 521
Agodi, C., see Del Zoppo, A. A327 (1993) 363
Aguilar-Benitez, M., see Adeva, B. A323 (1992) 109
Ahlen, S., see MACRO Collaboration A324 (1993) 337
Ahmad, N., N.M. Mirza, S.M. Mirza, T. Rashid, M. Tufail and L.A. Khan, Design and study of the characteristics of a three electrode experimental ionization chamber for gamma ray dosimetry of spent fuel A321 (1992) 403
Ahmad, S., see Atiya, M.S. A321 (1992) 129
Ahmad, S., see Etkin, A. A323 (1992) 224
Ahmad, S., B.E. Bonner, W. Gere, G.S. Mutchler, P. Rambo, S. Toshkov, E. Platner, H.J. Crawford and J.M. Engelage, In-beam tests of proximity mesh dynode tubes for the STAR TOF subsystem A330 (1993) 416

0168-9002/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

Ahmidouch, A., P. Bach, R. Hess, R.A. Kunne, C. Lechanoine-Leluc, C. Mascarini, D. Rapin, J. Arvieux, R. Bertini, H. Catz, J.C. Faivre, F. Perrot-Kunne, F. Bradamante and A. Martin, Plastic detectors for medium energy neutrons A326 (1993) 538
Ahn, S., see DØ Collaboration A324 (1993) 53
Ahner, W., see Senger, P. A327 (1993) 393
Aiginger, H., see Ladisich, W. A330 (1993) 501
Aihara, H., see DØ Collaboration A324 (1993) 53
Aihara, H., A.A. Arthur, O.I. Dahl, P.H. Eberhard, W.R. Edwards, R.L. Fulton, J.M. Haughian, R.J. Madaras, N.A. Roe, D.B. Shuman, A.L. Spadafora, M.L. Stevenson, J.D. Taylor, W.A. Wenzel, J. Chen, C. Cretsinger, G.E. Forden, A. Milder, J. Rutherfoord, M. Shupe, J. Featherly, B.G. Gibbard, H.A. Gordon, J.M. Guida, W. Guryn, S. Kahn, S. Protopopescu, D. Cutts, D. Nešić, J.S. Hoftun, P. Franzini, P.M. Tuts, N. Amos, F. Bartlett, P. Bhat, J.H. Christenson, W.E. Cooper, R. Dixon, H.E. Fisk, S. Fuess, N. Graf, H. Haggerty, A.S. Ito, A. Jonckheere, B. Klima, R. Lipton, W. Merritt, H. Prosper, A. Peryshkin, R. Raja, R.P. Smith, D. Stewart, M. Tartaglia, A.P. White, Z. Wolf, R. Avellaneda, W. Dharmaratna, M. Goforth, R. Madden, H. Piekarz, H.D. Wahl, J. Womersley, J. Xu, N. Hadley, D. Norman, K. Streets, K. De, H. Neal, M. Abolins, D. Edmunds, D.P. Owen, B. Pi, H. Weerts, Y. Xia, J. Kotcher, J. Kourlas, P. Nemethy, J. Sculli, Q. Zhu, G.C. Blazey, J. Borders, P. Draper, S. Durston, T. Ferbel, R. Hirosky, F. Lobkowicz, M. Demarteau, P.D. Grannis, J.A. Guida, W. Karsh, M. Marx, L. Rasmussen and R.D. Schamberger, Design, construction, and performance of the electromagnetic module of the DØ end calorimeter A325 (1993) 393
Aitken, T.W., The Daresbury tandem. A review 1970–92 ..... A328 (1993) 10
Ajimura, S., see Lee, L. A327 (1993) 287
Aker, E., see Crystal Barrel Collaboration A321 (1992) 69
Akerib, D., see Alexander, J.P. A326 (1993) 243
Akerib, D.S., see Atiya, M.S. A321 (1992) 129
Akimov, D.Yu., A.I. Bolozdynya, D.L. Churakov, A.V. Koutchenkov, V.F. Kuzichev, V.N. Lebendenko, I.A. Rogovsky, M. Chen, V.Yu. Chepel and V.V. Sushkov, Condensed krypton scintillators A327 (1993) 155
Akkila, T., T. Francke, T. Lindblad and Å. Eide, An analog neural network hardware solution to a Cherenkov ring imaging particle identifier A327 (1993) 566
Akkila, T., T. Lindblad, B. Lund-Jensen, G. Szekely and Å. Eide, A hardware implementation of an analog neural network for Gaussian peak-fitting A327 (1993) 573
Akopyan, M., see Chen, M. A327 (1993) 187
Akopyan, M., M. Chen, N. Fedyakin, R. Krasnokutsky, R. Shuvalov, V. Sushkov and X. Zhang, Cable coupling of detector and preamplifier as an alternative design of radiation hard electronics A330 (1993) 465
Aksoy, A., see Naqvi, A.A. A325 (1993) 574
Akyuz, D., see Chen, M. A327 (1993) 187
Alamanos, N., see Bellia, G. A329 (1993) 173
Alard, J.P., see Gobbi, A. A324 (1993) 156
Alba, R., see Del Zoppo, A. A327 (1993) 363
Alba, R., see Bellia, G. A329 (1993) 173
Albee, M., G. Baranko, B. Broomer, M. Christoph, M. Daoudi, E. Erdos, U. Nauenberg, G. Schultz, J. Smathers, Q. Van Egeren, C. Wente, J. Belz, G. Daniel, C. Guss, S. Kettell, K. McFarlane, K. Johns and P. Koehn, A Cherenkov counter designed as a muon trigger for the SDC detector A325 (1993) 429
Albertini, G., F. Carsughi, R. Coppola, F. Rustichelli, D. Schwahn and G. Mercurio, Small angle neutron scattering study of microstructural inhomogeneities in steel for fusion technology A321 (1992) 381
Albrow, M., see Hauser, J. A321 (1992) 497
Alcaraz, J., see Adeva, B. A323 (1992) 109
Alemany, R., E. Fernández, M. Martínez, P. Mató, J.A. Perlas and J. Rothberg, Data acquisition system and results for the ALEPH very forward luminosity monitor at LEP A330 (1993) 422
ALEPH Collaboration, Alignment of the ALEPH tracking devices A323 (1992) 213
Alexander, J.M., see Kaplan, M. A327 (1993) 551
Alexander, J.P., J.A. Dobbins, K. Honscheid, C.D. Jones, M. Selen, H.M. Worden, F.K. Wuerthwein, J. Gronberg, R.J. Morrison, H.N. Nelson, D.M. Schmidt, H. Tajima, D. Cinabro, S. Henderson, H. Yamamoto, M. Artuso, P. Rubin, Z. Sobolewski, D. Akerib and D. Cowen, Design and tests for CLEO-II silicon vertex detector A326 (1993) 243
Alexandreas, D.E., D. Berley, S. Biller, G.M. Dion, J.A. Goodman, T.J. Haines, C.M. Hoffman, E. Horch, X.-Q. Lu, C. Sinnis, G.B. Yodh and W. Zhang, Point source search techniques in ultra high energy gamma ray astronomy A328 (1993) 570
Alfimenkov, V.P., A.G. Kharitonov, V.V. Nesvizhevsky, A.P. Serebrov, V.N. Shvetsov, A.V. Strelkov and R.R. Taldaev, Method for calibration of losses in neutron lifetime experiments with UCN A324 (1993) 496
Alfter, I., E. Bodenstedt, B. Hamer, J. van den Hoff, W. Knichel, H. Münning, S. Piel, J. Schüth and R. Sajok, A twelve detector coincidence spectrometer for on-line and off-line measurements of nuclear *g*-factors .. A321 (1992) 506

Alghinolfi, M., see Zucchiatti, A. A321 (1992) 219
Algranati, M., see Kella, D. A329 (1993) 440
Ali, M.M., see Anzivino, G. A329 (1993) 521
Alimonti, G., see Frabetti, P.L. A329 (1993) 62
Alimov, A.S., A.S. Chepurnov, O.V. Chubarov, I.V. Gribov, B.S. Ishkhanov, I.M. Piskarev, A.G. Rzhanov, M.A. Sotnikov, I.V. Surma, A.V. Shumakov, V.I. Shvedunov, A.V. Tiunov and V.A. Ushkanov, Performance of the 6 MeV injector for the Moscow racetrack microtron A326 (1993) 391
Alimov, A.S., B.S. Ishkhanov, I.M. Piskarev, V.I. Shvedunov and A.V. Tiunov, Operational experience with room temperature continuous wave accelerator structures A328 (1993) 385
Al-Jalal, A.M., see Naqvi, A.A. A324 (1993) 223
Al-Jalal, M.A., see Naqvi, A.A. A325 (1993) 574
Allport, P.P., J.R. Batley, P. Capiluppi, A.A. Carter, J.R. Carter, S.J. De Jong, U.C. Dunwoody, V. Gibson, W. Glessing, P.R. Goldey, M.J. Goodrick, W. Gorn, R. Hammarstrom, G.G. Hanson, J.D. Hobbs, J. Hill, J.C. Hill, R. Humbert, F. Jacob, M. Jiminez, P. Kyberd, C. Leroy, X.C. Lou, A.J. Martin, J-P. Martin, C. Moisan, C.J. Oram, T.W. Pritchard, O. Runolfsson, P. Seller, R. Shaw, P. Singh, M.F. Turner, M. Uldry, D. Voillat, D.R. Ward and K.H. Wolf, The OPAL silicon microvertex detector A324 (1993) 34
Aloisio, A., see Adeva, B. A323 (1992) 109
Als-Nielsen, J. and K. Kjaer, Crystal spectroscopy of X-ray synchrotron source brightness A323 (1992) 686
Alsmiller Jr, R.G. and R.A. Lillie, Design calculations for the ANS cold neutron source. Part II. Heating rates A321 (1992) 265
Althoff, K.H., see Detemple, P. A321 (1992) 479
Altmann, J., A. Dewald, K.O. Zell and P. von Brentano, Beam-induced bumps in plunger targets, a threshold effect A321 (1992) 59
Alton, G.D., M.T. Johnson and G.D. Mills, A simple positive/negative surface ionization source A328 (1993) 154
Alton, G.D. and M.T. Johnson, Performance characteristics of a multiple-sample, cesium-sputter, negative ion source A328 (1993) 202
Alton, G.D., D.L. Haynes, G.D. Mills and D.K. Olsen, Selection and design of the Oak Ridge Radioactive Ion Beam Facility target/ion source A328 (1993) 325
Alves, M.A., see Fraga, M.M. A323 (1992) 284
Alviggi, M.G., see Adeva, B. A323 (1992) 109
Alzofon, D., see Axen, D. A328 (1993) 472
Amata, G., see Calabretta, L. A328 (1993) 186
Amato, S., J.R.T. de Mello Neto, J. de Miranda, C. James, D.J. Summers and S.B. Bracker, The E791 parallel architecture data acquisition system A324 (1993) 535
Amatuni, A.C., see Danilova, T.V. A323 (1992) 104
Amaudruz, P.A., see Hofman, G.J. A325 (1993) 384
Ambrose, D.A., see Supek, I. A324 (1993) 19
Ambrosio, M., G.C. Barbarino, A. Boiano, A. Candela, F. Guarino, G. Osteria, L. Parascandolo and P. Parascandolo, The QTP system for the MACRO experiment at Gran Sasso A321 (1992) 609
Ambrosio, M., see MINI Collaboration A324 (1993) 330
Ambrosio, M., see MACRO Collaboration A324 (1993) 337
Amery, A., see Bingefors, N. A328 (1993) 447
Amos, N., see DØ Collaboration A324 (1993) 53
Amos, N., see Aihara, H. A325 (1993) 393
Amsler, C., see Crystal Barrel Collaboration A321 (1992) 69
Anashkin, E.V., V.M. Aulchenko, V.E. Fedorenko, G.V. Fedotovich, B.I. Khazin, A.V. Maximov, G.S. Piskunov, I.G. Snopkov, E.P. Solodov, V.M. Titov, V.G. Zavarzin and Yu.V. Yudin, Z-chamber and the trigger of the CMD-2 detector A323 (1992) 178
Anassontzis, E.G., G. van Apeldoorn, E. Aria, C. Aubret, P. Baillon, J.D. Berst, D. Bloch, C. Bourdarios, N. Brümmer, J.M. Brunet, P. Carrié, M. Chevry, E. Christophel, B. D'Almagne, P. van Dam, M. Davenport, S. Delorme, J. Dolbeau, M. Dracos, M. Dris, W. Dulinski, J.P. Engel, G. Evers, D. Fassouliotis, T.A. Filippas, E. Fokitis, D. Fraissard, E. Gaumann, E. Gazis, B. Goret, L. Guglielmi, F. Hahn, S. Haider, I. Herbst, P.F. Honoré, D. Husson, P. Ioannou, P. Juillot, G. Kalkanis, E. Karvelas, S. Katsanevas, E. Katsoufis, J. Kesteman, N. Kjaer, W. Klempt, B. Koene, N. de Koning, A. Korporaal, C. Kourkoumelis, C. Lambropoulos, D. Langerveld, G. Lecoeur, G. Lenzen, P. Lorenz, D. Loukas, A. Maltezos, S. Maltezos, A. Markou, G. Mourgue, R. Nicolaidou, J.M. Noppe, Th.D. Papadopoulou, D. Poutot, J. Raynaud, L.K. Resvanis, E. Rosso, M. Schaeffer, E. Schyns, G. Stavropoulos, R. Strub, J. Thadome, G.E. Theodosiou, D.Z. Toet, G. Tristram, A. Tsirou, S. Tzamarias, P. Vergezac, G. Voulgaris and J. Werner, The Barrel ring imaging Cherenkov counter of DELPHI A323 (1992) 351
Anderson, D.F., S. Kwan, V. Peskov and B. Hoeneisen, Properties of CsI and CsI–TMAE photocathodes ... A323 (1992) 626
Anderson, D.F., see Demortier, L. A324 (1993) 77

Anderson, D.F., S. Kwan and V. Peskov, CsI photocathode QE and a simple production technique A326 (1993) 611
Anderson, K.J., see Hobbs, J.D. A325 (1993) 494
Anderson, W.S., J.C. Armitage, E. Dunn, J.G. Heinrich, C. Lu, K.T. McDonald, J. Weckel and Y. Zhu, Electron attachment, effective ionization coefficient, and electron drift velocity for CF_4 gas mixtures A323 (1992) 273
Andlinger, M., see Bakker, F. A330 (1993) 44
Ando, A., see Tomizawa, M. A326 (1993) 399
Ando, T., see Sakai, Y. A327 (1993) 92
Andrade, E. and M. Castañeda, A model to describe the bremsstrahlung spectrum produced by a positive-ion Van de Graaff accelerator A328 (1993) 68
Andreazza, A., see Bingefors, N. A328 (1993) 447
Andrejtscheff, W., see Petkov, P. A321 (1992) 259
Andresen, H.G., see Steffens, K.-H. A325 (1993) 378
Andreyev, A.N., D.D. Bogdanov, V.I. Chepigin, V.A. Gorshkov, K.V. Michailov, A.P. Kabachenko, G.S. Popeko, S. Saro, G.M. Ter-Akopian, A.V. Yeremin and Sh.S. Zeinalov, 4π-ionization chamber – a detector for a kinematic separator of heavy ion reaction products A330 (1993) 125
Andricek, L., see Lechner, P. A326 (1993) 284
Angelini, C., see Adinolfi, M. A329 (1993) 117
Angelini, F., R. Bellazzini, L. Bosisio, A. Brez, M.M. Massai, A. Perret, G. Spandre and M.R. Torquati, A microstrip gas chamber with true two-dimensional and pixel readout A323 (1992) 229
Anghinolfi, F., see Munday, D. A326 (1993) 100
Anghinolfi, F., R. Bardos, S.J. Bates, R. Bonino, A.G. Clark, N. Claussen, E. Fretwurst, M. Glaser, G. Gorfine, C. Gössling, E.H.M. Heijne, P. Jarron, R. Klingenberg, F. Lemeilleur, G. Lindström, G. Moorhead, D.J. Munday, E. Occelli, H. Pagel, B. Papendick, M.A. Parker, D. Pollmann, A. Poppleton, A. Rolf, P. Scampoli, T. Schulz, G. Taylor, S. Tovey, A.R. Weidberg, X. Wu and R. Wunstorf, Neutron irradiation of silicon diodes at temperatures of +20°C and −20°C A326 (1993) 365
Anghinolfi, M., P. Corvisiero, G. Coscia, L. Mazzaschi, V. Mokeev, G. Ricco, M. Ripani, M. Taiuti, A. Zucchiatti, N. Bianchi, E. De Sanctis, P. Levi Sandri, V. Lucherini, V. Muccifora, E. Polli, A.R. Reolon, P. Rossi and G. Gervino, A spectrometer for 1 GeV electrons using scintillation detectors A324 (1993) 191
Annand, J.R.M. and B. Oussena, A method of fast data transfer from FASTBUS A330 (1993) 220
Anne, R., Y. Georget, R. Hue, C. Tribouillard and J.L. Vignet, A noninterceptive heavy ion beam profile monitor based on residual gas ionization A329 (1993) 21
Anselmann, P., see Wink, R. A329 (1993) 541
Antipov, A.V., G.I. Britvich, A.A. Chumakov, V.G. Vasil'chenko, I.I. Buchinskaya, E.A. Krivandina, B.P. Sobolev, Z.I. Zhmurova, E.G. Devitsin, V.A. Kozlov, Yu.A. Krechko and Yu.D. Motin, Investigation of new inorganic materials for homogeneous electromagnetic calorimeters A327 (1993) 346
Antipov, Y., see DØ Collaboration A324 (1993) 53
Antolini, R., see MACRO Collaboration A324 (1993) 337
Anton, G., see Detemple, P. A321 (1992) 479
Antonini, A., see Stalio, R. A326 (1993) 150
Antreasyan, D., see Adeva, B. A323 (1992) 109
Anykeyev, V.B., A.A. Spiridonov and V.P. Zhigunov, Correcting factors method as an unfolding technique .. A322 (1992) 280
Anzivino, G., P. Benvenuto, S. Bianco, R. Casaccia, B. Dulach, D. Fabbri, F.L. Fabbri, M. Gatta, M. Giardoni, I. Laakso, M. Lindozzi, L. Passamonti, V. Russo, S. Sarwar, G. Sensolini, M. Ventura, L. Votano, A. Zallo, D. Mencarini, E. Pallante, Z. Aftab, M.M. Ali, K. Chen, R. Chen, S. Cong, X. Cui, H. Ding, B. Gao, Y. Li, L. Lu, B.K. Minhas, Z. Shi, A.R. Shah, Y. Sun and X. Zhou, The LVD tracking system chambers A329 (1993) 521
Aoki, M., see Uno, S. A330 (1993) 55
Aoki, T., see Nagashima, Y. A328 (1993) 338
Aoki, Y., see Shibata, H. A327 (1993) 53
Aoyama, T., T. Sato, H. Muraki and C. Mori, Sensitive region of air proportional counters and its dependence on the pressure, temperature and humidity of filling air A322 (1992) 170
Apolinski, M., see Kaplan, D.M. A330 (1993) 33
Apollinari, G., see Hauser, J. A321 (1992) 497
Apollinari, G., N.D. Giokaris, K. Goulianos, A. Titov, Z. Wu, E. Hayashi, T. Kaneko, S. Kim, K. Kondo, S. Miyashita, H. Nakada, K. Takikawa, K. Yasuoka, T. Kamon and V. Barnes, A novel electromagnetic shower maximum position detector A324 (1993) 475
Appelquist, G., see Hovander, B. A325 (1993) 266
Appelquist, G., B. Hovander, B. Selldén and C. Bohm, A programmable systolic trigger processor for FERA bus data A327 (1993) 489
Aprile, E., A. Bolotnikov, D. Chen and R. Mukherjee, Ionization op liquid krypton by electrons, gamma rays and alpha particles A327 (1993) 25

Aprile, E., see Ishida, N. A327 (1993) 152
Aprile, E., A. Bolotnikov, D. Chen and R. Mukherjee, A Monte Carlo analysis of the liquid xenon TPC as gamma-ray telescope A327 (1993) 216
Apsimon, R., see Brenner, R. A326 (1993) 189
Apsimon, R., see Bingefors, N. A328 (1993) 447
Arakaki, Y., see Tomizawa, M. A326 (1993) 399
Aratani, M., see Sugai, I. A329 (1993) 46
Aratani, T., see Yoshida, M. A330 (1993) 158
Ardelan, J., see Brenner, R. A326 (1993) 189
Arena, V., see Frabetti, P.L. A329 (1993) 62
Arends, J., T. Dyroff, St. Huthmacher, G. Nöldeke and S. Wartenberg, Track reconstruction with the Bonn high pressure drift chamber A323 (1992) 203
Arends, J., see Detemple, P. A321 (1992) 479
Aria, E., see Anassontzis, E.G. A323 (1992) 351
Arlt, R., K.-H. Czock and D.E. Rundquist, Overview of the use of CdTe detectors for the verification of nuclear material in nuclear safeguards A322 (1992) 575
Armijo, V., see Stanislaus, S. A323 (1992) 198
Armitage, J.C., see Chakravarty, S. A321 (1992) 186
Armitage, J.C., see Anderson, W.S. A323 (1992) 273
Armstrong, T., see Abbott, B. A327 (1993) 319
Arnesen, A., see Kastberg, A. A324 (1993) 23
Arnett, D., see Axen, D. A328 (1993) 472
Arnold, J.R., see Thakur, A.N. A325 (1993) 529
Arnold, R., see French, M. A324 (1993) 511
Aronson, S.H., see DØ Collaboration A324 (1993) 53
Aroua, A., M. Grecescu, P. Lerch, S. Prêtre, J.-F. Valley and V. Vylet, Evaluation and test of the response matrix of a multisphere neutron spectrometer in a wide energy range. Part I. Calibration A321 (1992) 298
Aroua, A., M. Grecescu, M. Lanfranchi, P. Lerch, S. Prêtre and J.-F. Valley, Evaluation and test of the response matrix of a multisphere neutron spectrometer in a wide energy range. Part II. Simulation A321 (1992) 305
Aroua, A., M. Grecescu, P. Lerch, S. Prêtre and J.-F. Valley, Evaluation and test of the response matrix of a multisphere neutron spectrometer in a wide energy range. Part III. Validation A321 (1992) 312
Arpagaus, M., see Eichenberger, S. A323 (1992) 532
Arpagaus, M., see Wolff, Th. A323 (1992) 537
Arroyo, C., see Axen, D. A328 (1993) 472
Arthur, A.A., see Aihara, H. A325 (1993) 393
Artiomov, A.S., A.A. Avidzba and A.S. Vartazarian, The potentialities of H^- beam diagnostics by laser photodetachment electrons A328 (1993) 408
Artusi, G., see Affatato, S. A325 (1993) 417
Artuso, M., see Alexander, J.P. A326 (1993) 243
Arvieux, J., see Ahmidouch, A. A326 (1993) 538
Arzhannikov, A.V., G.Ya. Kezerashvili and A.M. Milov, High efficiency neutron spectrometer with low background A321 (1992) 539
Asami, A., see Yamazaki, Y. A322 (1992) 139
Asano, Y., M. Abe, S. Itoh, S. Mori, H. Ikeda and M. Tanaka, Performance of a simple drift tube with a large square cross section A325 (1993) 109
Asatiani, T.L., see Danilova, T.V. A323 (1992) 104
Aschman, D.G., see McMurray, W.R. A329 (1993) 217
Asghar, M., M. Djebara, B. Bouzid, G. Medkour and N. Boucheneb, Study of Z-resolution for a parylene C ΔE-detector and for Bragg spectroscopy as a function of fragment charge and kinetic energy A330 (1993) 178
Ashenfelter, J., see Hyder, H.R.McK. A328 (1993) 126
Asmone, A., M. Bertino, C. Bini, G. De Zorzi, G. Diambrini Palazzi, G. Di Cosimo, A. Di Domenico, F. Garufi, P. Gauzzi and D. Zanello, Performance of a highly segmented scintillating fibres electromagnetic calorimeter A326 (1993) 477
Aspacher, B., R.L. Coldwell and A.C. Rester, Compton continuum suppression by digital pulse shape analysis A330 (1993) 243
Aspell, P., see Munday, D. A326 (1993) 100
Asseev, A.A., E.A. Myae, S.V. Sokolov and Yu.S. Fedotov, On increasing the bent crystal extraction efficiency by using a thin internal target A324 (1993) 31
Asseev, A.A., A.N. Vasil'ev, E.A. Ludmirsky, V.A. Maisheev, S.B. Nurushev and Yu.S. Fedotov, Peculiarities of using the bent crystal for the extraction of protons from the IHEP accelerator to the PROZA setup ... A330 (1993) 39
Astbury, A., M. Fincke-Keeler, R.K. Keeler, P.R. Poffenberger, L.P. Robertson, M. Rosvick, P. Schenk, C. Oram and R. Sobie, Saturation of ion yield in 2,2,4,4 tetramethylpentane for nonrelativistic particles A324 (1993) 461

Astbury, A., see Poffenberger, P.R. A327 (1993) 99
Astbury, A., see Axen, D. A328 (1993) 472
Astur, R., see DØ Collaboration A324 (1993) 53
Atac, M., see Abbott, B. A327 (1993) 319
Athanasiu, G., P. Pavlopoulos and S. Vlachos, Real time track identification with artificial neural networks .. A324 (1993) 320
Atiya, M.S., I.-H. Chiang, J.S. Frank, E. Garber, J.S. Haggerty, M. Ito, T.F. Kycia, K.K. Li, L.S. Littenberg, C. Ng, I. Polk, R. Rosenka, A.K. Sambamurti, A.J. Stevens, R.C. Strand, C. Zein, D.S. Akerib, H. Edwards, W.C. Louis, D.R. Marlow, P.D. Meyers, M.A. Selen, F.C. Shoemaker, A.J.S. Smith, S. Ahmad, E.W. Blackmore, D.A. Bryman, Chen Lejun, J.V. Cresswell, L. Felawka, N. Khan, P. Kitching, A. Konaka, Y. Kuno, J.A. Macdonald, T. Numao, P. Padley, J.-M. Poutissou, R. Poutissou, J. Roy, R. Soluk and A.S. Turcot, A detector to search for $K^+ \to \pi^+ \nu\bar{\nu}$ A321 (1992) 129
Atrazhev, V.M., The transport and ionization coefficients of hot electrons in rare gas liquids and liquids with molecular impurities A327 (1993) 95
Attal, P., S. Della-Negra, D. Gardès, J.D. Larson, Y. Le Beyec, R. Vienet-Legué and B. Waast, ORION project: acceleration of ion clusters and highly charged biomolecules from 10 MeV to 1 GeV A328 (1993) 293
Au, Y., see Axen, D. A328 (1993) 472
Aubert, B., A. Bazan, B. Beaugiraud, J. Colas, T. Leflour, M. Maire, J.P. Vialle, I. Wingerter-Seez, Y.P. Zolnierowski, H.A. Gordon, V. Radeka, D. Rahm, D. Stephani, J.L. Chevalley, C.W. Fabjan, D. Fournier, A. Franz, O. Gildemeister, P. Jenni, M. Nessi, F. Nessi-Tedaldi, M. Pepe, W. Richter, J. Soderqvist, J.M. Baze, L. Gosset, P. Lavocat, J.P. Lottin, B. Mansoulie, J.P. Meyer, J.F. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D.V. Camin, D. Cavalli, G. Costa, A. Cravero, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, G. Pessina, P. Sala, M. Sciamanna, E. Augé, R. Chase, J.C. Chollet, C. de la Taille, L. Fayard, P. Jean, L. Iconomidou-Fayard, B. Merkel, J.M. Noppe, G. Parrour, P. Pétroff, J.P. Repellin, A. Schaffer, N. Seguin, G. Unal, C. Fuglesang, M. Lefebvre and S. Towers, Performance of a liquid argon accordion calorimeter with fast readout A321 (1992) 467
Aubert, B., A. Bazan, B. Beaugiraud, J. Colas, T. Leflour, M. Maire, J.P. Vialle, I. Wingerter-Seez, Y.P. Zolnierowski, H.A. Gordon, V. Radeka, D. Rahm, D. Stephani, N. Bulgakov, J.L. Chevalley, C.W. Fabjan, D. Fournier, O. Gildemeister, P. Jenni, M. Nessi, F. Nessi-Tedaldi, M. Pepe, W. Richter, J. Soderqvist, V. Vuillemin, J.M. Baze, L. Gosset, P. Lavocat, J.P. Lottin, B. Mansoulié, J.P. Meyer, J.R. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D.V. Camin, D. Cavalli, G. Costa, A. Cravero, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, M. Sciamanna, E. Augé, R. Chase, J.C. Chollet, C. de la Taille, L. Fayard, A. Hrisoho, Ph. Jean, L. Iconomidou-Fayard, G. Le Meur, B. Merkel, J.M. Noppe, G. Parrour, P. Petroff, J.P. Repellin, A. Schaffer, N. Seguin, G. Unal, C. Fuglesang and M. Lefebvre, Performance of a liquid argon electromagnetic calorimeter with a cylindrical accordion geometry A325 (1993) 116
Aubert, B., see RD3 Collaboration A330 (1993) 405
Aubret, C., see Anassontzis, E.G. A323 (1992) 351
Augé, E., see Aubert, B. A321 (1992) 467
Augé, E., see Aubert, B. A325 (1993) 116
Augé, E., see RD3 Collaboration A330 (1993) 405
Auger, F., see Bellia, G. A329 (1993) 173
Auger, G., see Iori, I. A325 (1993) 458
Augustin, I., see Crystal Barrel Collaboration A321 (1992) 69
Augustinski, G., see Gobbi, A. A324 (1993) 156
Aulchenko, V.M., see Anashkin, E.V. A323 (1992) 178
Aulchenko, V.M., A.G. Chilingarov, V.V. Serbo and V.M. Titov, The study of the possibility to use CAMEX chips in collider experiments with short bunch crossing time A326 (1993) 120
Aulchenko, V.M., A.D. Bukin, S.G. Klimenko, G.M. Kolachev, L.A. Leontiev, A.L. Maslennikov, A.P. Onuchin, V.S. Panin, S.V. Peleganchuk, S.G. Pivovarov, V.A. Rodyakin, V.A. Tayursky, Yu.A. Tikhonov, V.I. Yurchenko, F. Lanni, G. Lo Bianco, B. Maggi, F. Palombo, A. Sala, P. Cantoni, P.L. Frabetti, L. Stagni, P.F. Manfredi, V. Re and V. Speziali, Liquid krypton electromagnetic calorimeter A327 (1993) 193
Aulenbacher, K., see Steffens, K.-H. A325 (1993) 378
Auriemma, G., see MACRO Collaboration A324 (1993) 337
Avakian, J.C., see Danilova, T.V. A323 (1992) 104
Avakian, K.M., see Danilova, T.V. A323 (1992) 104
Avakian, V.V., see Danilova, T.V. A323 (1992) 104
Avdić, S., see Marinković, P. A321 (1992) 333
Avellaneda, R., see DØ Collaboration A324 (1993) 53
Avellaneda, R., see Aihara, H. A325 (1993) 393
Avery, R.E., see DØ Collaboration A324 (1993) 53
Avidzba, A.A., see Artiomov, A.S. A328 (1993) 408
Avoni, G., see Affatato, S. A325 (1993) 417

Avramov, S., see Petkov, P. A321 (1992) 259
Aw, C.H., see Snoeys, W. A326 (1993) 144
Axen, D., S. Bougerolle, R. Sobie, G. Eigen, F. De Jongh, D. Hitlin, M. Kelsey, M. Klein, A. Mincer, W. Wisniewski, R. Wolf, C. Arroyo, Y. Au, C. Baltay, T. Bolton, A. Bazarko, L. Camilleri, E. Hyatt, S. Manly, S. Rabinowitz, P.C. Rowson, S. Seligman, M.H. Shaevitz, S. Smith, R.V. Steiner, I. Abt, D. Alzofon, D. Arnett, F. Barrera, R. Bell, S.C. Bes, J. Bogart, M. Breidenbach, A. Candia, R. Claus, H. Cutler, R. Davis, R. Dubois, M. Foss, J. Fox, M. Fox, A. Gioumousis, A. Grebenyuk, G. Haller, V. Hamilton, J. Hodgson, M. Huffer, T. Junk, P. Kim, J. Labs, H. Neal, D. Nelson, M. Nordby, L. Paffrath, G. Putallaz, H. Rogers, J.J. Russell, P. Saez, P. Seward, D. Sherden, K. Skarpaas, R.H. Schindler, A.P. Waite, R. Watt, J. Brau, B. Bugg, A. Weidemann, D. Gurd, C. Oram, A. Astbury, G. Beer, G. Cross, T. Hodges, A. Honma, R. Keeler, R. Langstaff, G. Mason, P. Poffenberger, L. Robertson, P. Schenk, A. Turcot, M. Turcotte, V. Cook, D. Forbush, J. Harrison, H. Kim, Ma Ji, P. Mockett, F. Toevs and E. Vella, The lead–liquid argon sampling calorimeter of the SLD detector A328 (1993) 472

Baba, H., see Matsumoto, H. A330 (1993) 1
Babbage, W.S. and L.F. Thompson, The use of neural networks in γ–π^0 discrimination A330 (1993) 482
Babichev, E.A., S.E. Baru, A.G. Khabakhpashev, G.M. Kolachev, O.A. Ponomarev, G.A. Savinov and L.I. Shekhtman, Digital radiographic device, based on MWPC with improved spatial resolution A323 (1992) 49
Baccarani, G., P. Ciampolini and A. Pierantoni, Three-dimensional simulation of semiconductor devices: state of the art and prospects A326 (1993) 253
Bacchetta, N., R.P. Ely, C. Haber, S.A. Kleinfelder, O. Schneider and W.C. Wester, Radiation damage measurements on the SVX readout chip A324 (1993) 284
Bacchetta, N., D. Bisello, G. Bolla, C. Canali, P.G. Fuochi and A. Paccagnella, Radiation effects on ac-coupled microstrip silicon detectors A326 (1993) 381
Bacci, C., F. Ceradini, G. Ciapetti, A. Frenkel, E. Gennari, F. Lacava, G. Martellotti, A. Nisati, D. Orestano, G. Penso, E. Petrolo, L. Pontecorvo, M. Torelli, A. Tusi, S. Veneziano, M. Verzocchi, L. Zanello, R. Cardarelli, A. Di Ciaccio and R. Santonico, A hodoscope made of resistive plate chambers to identify muons in a fixed targed beauty hadroproduction experiment A324 (1993) 83
Bacci, C., see Belli, P. A327 (1993) 207
Bach, P., see Ahmidouch, A. A326 (1993) 538
Bach, P., see Ball, J. A327 (1993) 308
Bacher, A.D., see Wells, S.P. A325 (1993) 205
Back, C., see Ueno, K. A323 (1992) 601
Backenstoss, G., see CPLEAR Collaboration A321 (1992) 458
Baczyński, J., PC display system for real-time data graphical representation of spectroscopy measurement results A325 (1993) 523
Badan, L., see Fortuna, G. A328 (1993) 236
Badan, L., see Palmieri, V. A328 (1993) 280
Baden, A.R., see DØ Collaboration A324 (1993) 53
Baechler, J., M. Bosteels, P. Buncic, R. Bock, A. Di Mauro, J.P. Fabre, N. Facchini, R. Ferorelli, W. Heck, M. Hoffmann, M. Koncul, M. LeVine, A. Ljubicic Jr., E. Nappi, G. Paic, A. Panagiotou, F. Posa, G. Roland, K. Runge, A. Sandoval, T. Scognetti, E. Schmoetten, R. Stock, G. Tomasicchio, G. Vasileiadis, D. Vranic and M. Wensveen, A large area optical imaging UV detector operating with TMAE at 48°C A324 (1993) 449
Baglioni, O., see Affatato, S. A325 (1993) 417
Bagnaia, P., R. Bizzarri, F. Cesaroni, S. Gentile and G. Lunadei, The L3 energy trigger for the LEP 8 bunch operation A323 (1992) 528
Bagnaia, P., R. Bizzarri, F. Cesaroni, S. Gentile and T. Hebbeker, The first level energy trigger of the L3 experiment. Software and performances A324 (1993) 101
Bähr, J., A. Bischoff, K. Hiller, B. Hoffmann, W. Lange, H. Lüdecke, R. Nahnhauer, W.D. Nowak, M. Pohl, H.E. Roloff, K. Sulanke, J.P. Fabre, B. Friend, W. Flegel, J. Panman, S. Reynaud, G. Stefanini, K. Winter, M. Gruwe and Ch. Mommaert, A setup for precise measurements of scintillating fiber bundles using an optoelectronic readout chain and a silicon microstrip detector system A324 (1993) 145
Bähr, J., B. Hoffmann, H. Lüdecke, R. Nahnhauer, M. Pohl and H.-E. Roloff, Test of a position-sensitive photomultiplier for fast scintillating fiber detector read-out A330 (1993) 103
Bailey, J.M., G.A. Beck, S. Burke, J.B. Dainton, E. Gabathuler, D.M. Gillespie, A.M. Goodall, R. Martin, S.J. Maxfield, S.J. McMahon, J.M. Morton, G.D. Patel, D.P.C. Sankey, L.A. Womersley, H. Grässler, M. Hohlmann, G. Kemmerling, S. Masson, W. Pilgram, W. Struczinski, S. Kolya, D. Clarke, P.S. Flower, D. Hill and R. Marshall, Spatial precision of H1 radial wire drift chambers using gas mixtures suitable for transition radiation detection A323 (1992) 184
Bailey, J.M., see Grässler, H. A323 (1992) 401

Bailey, J.M., see EHIT Collaboration A323 (1992) 407
Baillon, P., see Anassontzis, E.G. A323 (1992) 351
Baines, J.T.M., F. Beck, H.J. Burckhart, D.G. Charlton, R. Cranfield, G. Crone, P.A. Elcombe, P. Farthouat, C. Fukunaga, N.I. Geddes, C.N.P. Gee, F.X. Gentit, W. Gorn, J. Hart, J.C. Hill, S.J. Hillier, B. Holl, R.E. Hughes-Jones, R. Humbert, M. Jimack, R.W.L. Jones, C. Kleinwort, F. Lamarche, P.L. Du, D. Lellouch, L. Levinson, A.J. Martin, J.P. Martin, F. Meijers, R.P. Middleton, A. Montanari, B. O'Neill, G. Quast, J. Raab, D. Robinson, O. Schaile, P. Scharff-Hansen, P. Schenk, H. von der Schmitt, P. Sherwood, R. Shypit, G.P. Siroli, T.J. Smith, R. Sobie, R.W. Springer, D. Strom, T. Tsukamoto, A.T. Watson, N.K. Watson, P.S. Wells, S. Wotton and W. Zeuner, The data acquisition system of the OPAL detector at LEP A325 (1993) 271
Baker, C.A., see Crystal Barrel Collaboration A321 (1992) 69
Bakker, F., H. van der Graaf, A. Korporaal, R. Loos, P.A.M. Rewiersma, G.A.A. Witteman, R. Bergman, C. Brouwer, J. Dijkema, A.C. König, C.L.A. Pols, T. Wijnen, A. Bettini, P. Casoli, S. Centro, R. Martinelli, A. Meneguzzo, M. Nicoletto, P. Zotto, A. Di Ciaccio, A. Nisati, M. andlinger, A. Kluge, F. Szoncso, G. Walzel, C.-E. Wulz, V. Karimäki, M. Pimiä, R. Kinnunen, J. Tuominiemi, J.L. Bénichou, M. Della Negra, K. Eggert, A. Hervé, D. Peach, E. Radermacher, C. Seez, G. Waurick and G. Wrochna, The construction and performance of single-layer honeycomb strip chambers in the TRACAL detector of RD5 ..... A330 (1993) 44
Bal, F., G. Dzieglewski, B. Lofstedt, F. Nanni, P. Petit, J.P. Vanuxem, H. Verweij and H. Wendler, The readout system of the CPLEAR electromagnetic calorimeter A323 (1992) 511
Baldazzi, G., see Caroli, E. A322 (1992) 639
Baldazzi, G., D. Bollini, E. Caroli, F. Casali, P. Chirco, G. Di Cocco, A. Donati, W. Dusi, G. Landini, G. Malaguti, M. Rossi and J.B. Stephen, An evaluation of the possible use of CdTe microdetectors for astrophysical, biomedical and industrial imaging A322 (1992) 644
Baldazzi, G., D. Bollini, F. Casali, P. Chirco, A. Donati, W. Dusi, G. Landini, M. Rossi and J.B. Stephen, Timing response of CdTe detectors A326 (1993) 319
Baldin, A., G. Feofilov, Y. Gavrilov, A. Tsvinev and F. Valiev, Proposals for a new type of microchannel-plate-based vertex detector A323 (1992) 439
Baldin, B., see DØ Collaboration A324 (1993) 53
Baldini, A., see MACRO Collaboration A324 (1993) 337
Baldini, A., see Bruzzi, M. A326 (1993) 344
Baldo-Ceolin, M., see Bitter, T. A321 (1992) 284
Balestra, F., S. Bossolasco, M.P. Bussa, L. Busso, L. Fava, L. Ferrero, R. Garfagnini, A. Grasso, A. Maggiora, D. Panzieri, G. Piragino, F. Tosello, G. Zosi, A. Lanaro and L. Santi, On-line analysis for the OBELIX drift chambers at LEAR A323 (1992) 523
Ball, J., Ph. Chesny, M. Combet, J.M. Fontaine, R. Kunne, J.L. Sans, J. Bystricky, C.D. Lac, D. Legrand, F. Lehar, A. de Lesquen, M. de Mali, F. Perrot-Kunne, L. van Rossum, P. Bach, Ph. Demierre, G. Gaillard, R. Hess, Z.F. Janout, D. Rapin, Ph. Sormani, B. Vuaridel, J.P. Goudour, R. Binz, A. Klett, E. Rössle, H. Schmitt, L.S. Barabash, Z. Janout, V.A. Kalinnikov, Yu.M. Kazarinov, B.A. Khachaturov, V.N. Matafonov, I.L. Pisarev, A.A. Popov, Ya.A. Usov, M. Beddo, D. Grosnick, T. Kasprzyk, D. Lopiano and H. Spinka, Apparatus for the measurement of spin dependent observables in np and pp elastic and quasi-elastic scattering A327 (1993) 308
Ballocchi, G., see Vacchi, A. A326 (1993) 267
Baltay, C., see Axen, D. A328 (1993) 472
Baltes, P., see Senger, P. A327 (1993) 393
Bambade, P., see Bingefors, N. A328 (1993) 447
Bamber, C., W. Donaldson, E. Lincke and A.C. Melissinos, Electron acceleration using laser-driven photoconductive switching A327 (1993) 227
Bambynek, W., see Solé, V.A. A329 (1993) 418
Bantly, J., see DØ Collaboration A324 (1993) 53
Bao, X.J., see Schlesinger, T.E. A322 (1992) 414
Bao, X.J., see James, R.B. A322 (1992) 435
Bär, E., see Stascheck, A. A321 (1992) 13
Barabash, A.S. and V.N. Stekhanov, Purification and purity control system for 2β-decay experiment with liquid Ar ionization chamber A327 (1993) 168
Barabash, L.I., see Rosenfeld, A.B. A326 (1993) 234
Barabash, L.S., see Ball, J. A327 (1993) 308
Barakat, M.B., see Langenbrunner, J. A325 (1993) 187
Baranko, G., see Albee, M. A325 (1993) 429
Baranov, V.I., see Sustavov, A.F. A323 (1992) 157
Baranov, V.T., V.V. Borisov, G.G. Gurov, V.V. Rybak, S.E. Sidorov and L.N. Zyuzin, The measuring unit for the longitudinal proton beam structure based on the CRT analog–digital recorder SRG7 ..... A328 (1993) 413
Barasch, E., see DØ Collaboration A324 (1993) 53

Barbadillo, M., see Fortuna, G. A328 (1993) 236
Barbarino, G.C., see Ambrosio, M. A321 (1992) 609
Barbarino, G.C., see MINI Collaboration A324 (1993) 330
Barbarino, G.C., see MACRO Collaboration A324 (1993) 337
Barber, D.P., H.-D. Bremer, M. Böge, R. Brinkmann, W. Brückner, Ch. Büscher, M. Chapman, K. Coulter, P.P.J. Delheij, M. Düren, E. Gianfelice-Wendt, P.E.W. Green, H.G. Gaul, H. Gressmann, O. Häusser, R. Henderson, T. Janke, H. Kaiser, R. Kaiser, P. Kitching, R. Klanner, P. Levy, H.-Ch. Lewin, M. Lomperski, W. Lorenzon, L. Losev, R.D. McKeown, N. Meyners, B. Micheel, R. Milner, A. Mücklich, F. Neunreither, W.-D. Nowak, P.M. Patel, K. Rith, Ch. Scholz, E. Steffens, M. Veltri, M. Vetterli, W. Vogel, W. Wander, D. Westphal, K. Zapfe and F. Zetsche, The HERA polarimeter and the first observation of electron spin polarization at HERA A329 (1993) 79
Barber, R.C., see Hykawy, J.G. A329 (1993) 423
Barber, R.C., see Sidky, M.H. A330 (1993) 195
Barberis, E., see Gadomski, S. A326 (1993) 239
Barberis, E., J.G. Boissevain, N. Cartiglia, J.A. Ellison, P. Ferguson, J.K. Fleming, K. Holzscheiter, S. Jerger, D. Joyce, J.S. Kapustinsky, J. Leslie, C. Lietzke, J.A.J. Matthews, A.P.T. Palounek, D. Pitzl, W.A. Rowe, H.F.-W. Sadrozinski, D. Skinner, W.F. Sommer, W.E. Sondheim, S.J. Wimpenny and H.J. Ziock, Temperature effects on radiation damage to silicon detectors A326 (1993) 373
Barbosa, A.F., C. Riekel and P. Wattecamps, Two-dimensional X-ray detector based on microstrip and multiwire design A323 (1992) 247
Barbosa, F.J., S. Christo, C. Cuevas, G. Doolittle, D.C. Doughty, C. Hutton, D. Joyce, B.A. Mecking, M.D. Mestayer, B. Niczyporuk, J.E. O'Meara, D. Tilles, W. Tuzel and A. Yegneswaran, A drift chamber system for a toroidal detector A323 (1992) 191
Bardos, R., see Anghinolfi, F. A326 (1993) 365
Baris, J., see Hyder, H.R.McK. A328 (1993) 126
Barish, B., see MACRO Collaboration A324 (1993) 337
Barish, B.C., see Levin, D.S. A322 (1992) 101
Barletta, W.A., G. Bellomo, R. Bonifacio, R. Corsini, L. De Salvo, P. Pierini and M. Pullia, An rf-linac, FEL buncher A329 (1993) 348
Barlow, D.B., see Langenbrunner, J. A325 (1993) 187
Barnes, Jr., P.D., see Shutt, T. A326 (1993) 166
Barnes, V., see Hauser, J. A321 (1992) 497
Barnes, V., see Apollinari, G. A324 (1993) 475
Barnes, V.E., see Beretvas, A. A329 (1993) 50
Barnett, B.M., see Crystal Barrel Collaboration A321 (1992) 69
Barney, D., see Adinolfi, M. A329 (1993) 117
Barr, G.D., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Barrera, F., see Axen, D. A328 (1993) 472
Barreto, J.L., see Hua, P.-F. A330 (1993) 121
Barth, R., see Lanzanó, G. A323 (1992) 694
Bartha, L., Á.Z. Kiss, E. Koltay, A. Nagy, Gy. Szabó and J. Félszerfalvi, Straight acceleration tube of axial gradient modulation using dish-shaped electrodes A328 (1993) 86
Barthe, S., see Fontaine, J.Ch. A326 (1993) 10
Bartlett, F., see Aihara, H. A325 (1993) 393
Bartlett, J.F., see DØ Collaboration A324 (1993) 53
Bartoli, B., see MINI Collaboration A324 (1993) 330
Bartos, A., K. Schemmerling, Th. Wenzel and M. Uhrmacher, A compact TDPAC spectrometer A330 (1993) 132
Bartosz, E., see Beretvas, A. A329 (1993) 50
Baru, S.E., see Babichev, E.A. A323 (1992) 49
Baru, S.E., V.E. Blinov, V.R. Groshev, G.M. Kolachev, V.N. Kozlov, G.D. Minakov, A.P. Onuchin, A.V. Rylin, G.A. Savinov, A.G. Shamov and A.I. Shusharo, The KEDR drift chamber A323 (1992) 151
Baryshevsky, V.G., M.V. Korzhik, V.I. Moroz, V.B. Pavlenko, A.S. Lobko, A.A. Fyodorov, V.A. Kachanov, V.L. Solovjanov, B.I. Zadneprovsky, V.A. Nefyodov, P.V. Nefyodov, B.A. Dorogovin and L.L. Nagornaja, Single crystals of tungsten compounds as promising materials for the total absorption detectors of the e.m. calorimeters A322 (1992) 231
Basa, S., J.C. Clemens, M. Commerçon, D. Sauvage, S. Tisserant and J.M. Gaillard, Test results of the first proximity focused hybrid photodiode detector prototypes A330 (1993) 93
Basili, A., see Frontera, F. A324 (1993) 589
Basrak, Z., see Gobbi, A. A324 (1993) 156
Bassato, G., A. Battistella, M. Bellato and S. Canella, Automation of procedures for locking ALPI resonators A328 (1993) 195

Bassato, G., see Fortuna, G. ... A328 (1993) 236
Bassini, R., see Iori, I. ... A325 (1993) 458
Bassini, R., C. Boiano, S. Brambilla, M. Malatesta, I. Iori and A. Moroni, A remotely controlled four-channel spectroscopy amplifier ... A327 (1993) 535
Bastianello, G., R. Borgognoni, C. Battista, S. Cabasino, N. Cabibbo, A. Fucci, A. Lai, F. Marzano, P.S. Paolucci, J. Pech, R. Sarno, G.M. Todesco, M. Torelli, R. Tripiccione, W. Tross and P. Vicini, A high performance single chip processing unit for parallel processing and data acquisition systems ... A324 (1993) 543
Bastid, N., see Gobbi, A. ... A324 (1993) 156
Bates, S.J., see Anghinolfi, F. ... A326 (1993) 365
Batignani, G., C. Bauer, H. Becker, B. Bloch-Devaux, J. Boudreau, D. Brown, F. Bosi, L. Bosisio, M. Carpinelli, J. Carr, P. Cattaneo, A. Ciocci, P. Coyle, R. Dell'Orso, H. Dietl, J. Drinkard, E. Focardi, F. Forti, M. Giorgi, T. Hansl-Kozanecka, D. Hauff, P. Holl, R.G. Jacobsen, E. Lancon, J. Lauber, A. Litke, G. Lutz, G. Lütjens, E. Mannelli, W. Männer, T. Mattison, M. McNeil, S. Menary, L. Moneta, H.G. Moser, B. Mours, R. Ossa, G. Parrini, S. Piccinini, G. Redlinger, D. Rizzi, G. Rizzo, L. Roos, D. Rousseau, G. Taylor, G. Tonelli, G. Triggiani, A.S. Schwarz, P. Schwemling, R. Settles, H. Seywerd, V. Sharma, L. Strüder, C. Vannini, P.G. Verdini, J. Walsh, G. Walterman, S. Walther, J. Wear and F. Weber, Operational experience with a large detector system using silicon strip detectors with double sided readout ... A326 (1993) 183
Batley, J.R., see Allport, P.P. ... A324 (1993) 34
Battaglia, M., see Bingefors, N. ... A328 (1993) 447
Battista, C., see Bastianello, G. ... A324 (1993) 543
Battistella, A., see Bassato, G. ... A328 (1993) 195
Battistella, A., see Fortuna, G. ... A328 (1993) 236
Battistoni, G., see Aubert, B. ... A321 (1992) 467
Battistoni, G., see MACRO Collaboration ... A324 (1993) 337
Battistoni, G., see Aubert, B. ... A325 (1993) 116
Battistoni, G., see RD3 Collaboration ... A330 (1993) 405
Batty, C.J., see Crystal Barrel Collaboration ... A321 (1992) 69
Baubillier, M., see Bingefors, N. ... A328 (1993) 447
Bauer, C., see Batignani, G. ... A326 (1993) 183
Baumbaugh, B., see Abbott, B. ... A327 (1993) 319
Baur, R., see Chen, W. ... A326 (1993) 273
Bay, A., D. Duchesneau, P. Extermann, D. Goujon, R. Mermod, G. Morand, J. Ossmann, W. Ruckstuhl, T.P. Schaad and J. Wenninger, The xenon monitor of the L3 electromagnetic calorimeter ... A321 (1992) 119
Bazan, A., see Aubert, B. ... A321 (1992) 467
Bazan, A., see Aubert, B. ... A325 (1993) 116
Bazan, A., see RD3 Collaboration ... A330 (1993) 405
Bazarko, A., see Axen, D. ... A328 (1993) 472
Baze, J.M., see Aubert, B. ... A321 (1992) 467
Baze, J.M., see Aubert, B. ... A325 (1993) 116
Baze, J.M., see RD3 Collaboration ... A330 (1993) 405
Bazizi, K., see DØ Collaboration ... A324 (1993) 53
Beaugiraud, B., see Aubert, B. ... A321 (1992) 467
Beaugiraud, B., see Aubert, B. ... A325 (1993) 116
Beaugiraud, B., see RD3 Collaboration ... A330 (1993) 405
Beaumel, D., see Laurent, H. ... A326 (1993) 517
Beaumont, S.P., R. Bertin, C.N. Booth, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, C. del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, R. Gray, G. Hill, Y. Hou, P. Houston, G. Hughes, B.K. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V. O'Shea, P.G. Pelfer, C. Raine, J. Santana, I.J. Saunders, P.H. Seller, K. Shankar, P.H. Sharp, I.O. Skillicorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, U. Vanni, A. Vinattieri and A. Zichichi, Gallium arsenide microstrip detectors for charged particles ... A321 (1992) 172
Beaumont, S.P., R. Bertin, C.N. Booth, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, C. del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, A, Habig,Y. Hou, P. Houston, B. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V. O'Shea, P.G. Pelfer, C. Raine, J. Santana, I. Saunders, P.H. Seller, P.H. Sharp, I.O. Skillikorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, A. Vinattieri and A. Zichichi, GaAs solid state detectors for particle physics ... A322 (1992) 472
Beaumont, S.P., see Sumner, T.J. ... A322 (1992) 514
Beaumont, S.P., R. Bertin, C.N. Booth, M. Bruzzi, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, S. DeGennaro, D. Del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, Y. Hou, P. Houston, B. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V.

O'Shea, P.G. Pelfer, M. Pischedda, C. Raine, J. Santana, I. Saunders, P.H. Seller, I.O. Skillikorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, A. Vinattieri and A. Zichichi, Charge transport properties of undoped SI LEC GaAs solid-state detectors A326 (1993) 313
Beavis, D., see Pile, P.H. A321 (1992) 48
Becerril, V.A., V.Y. Meas, R.A. Tejera and P. Ozil, An improved rotating disc cathode cell for electrodeposition of actinides. The case of plutonium A328 (1993) 512
Becher, W., see Haberer, Th. A330 (1993) 296
Beck, F., see Baines, J.T.M. A325 (1993) 271
Beck, G.A., see Bailey, J.M. A323 (1992) 184
Beck, G.A., see Grässler, H. A323 (1992) 401
Beck, G.A., see EHIT Collaboration A323 (1992) 407
Beck, H.P., see Eichenberger, S. A323 (1992) 532
Beck, H.P., see Wolff, Th. A323 (1992) 537
Becker, H., see Batignani, G. A326 (1993) 183
Becker, U., see Adeva, B. A323 (1992) 109
Beckerle, P., see Senger, P. A327 (1993) 393
Becker-Szendy, R., R.M. Bionta, C.B. Bratton, D. Casper, R. Claus, B. Cortez, S.T. Dye, S. Errede, G.W. Foster, W. Gajewski, K. Ganezer, M. Goldhaber, T.J. Haines, P.G. Halverson, E. Hazen, T.W. Jones, D. Kielczewska, W.R. Kropp, J.G. Learned, J.M. LoSecco, S. Matsuno, J. Matthews, G. McGrath, C. McGrew, R. Miller, M.S. Mudan, H.S. Park, L. Price, F. Reines, J. Schultz, S. Seidel, D. Sinclair, H.W. Sobel, J.L. Stone, L.R. Sulak, R. Svoboda, G. Thornton, J.C. Van der Velde and C. Wuest, IMB-3: a large water Cherenkov detector for nucleon decay and neutrino interactions A324 (1993) 363
Beckmann, R., see Crystal Barrel Collaboration A321 (1992) 69
Becks, K.H., F. Block, J. Drees, P. Langefeld and F. Seidel, B-quark tagging using neural networks and multivariate statistical methods . A comparison of both techniques A329 (1993) 501
Beddo, M., see Ball, J. A327 (1993) 308
Bederede, D., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Bedi, S.C., see Forker, M. A327 (1993) 456
Beer, G., see Axen, D. A328 (1993) 472
Beha, T., W. Dünnweber and P. Klein, Radiation damage in detector–amplifier structures capable of signal storage A326 (1993) 386
Behnke, T., see Biebel, O. A323 (1992) 169
Behnke, T., see DØ Collaboration A324 (1993) 53
Behrens, U., D. Gilkinson, G. Gloth, D. Hanna, L.W. Hung, H. Kammerlocher, B. Krebs, R. Krüger, F. Meyer and K. Wick, Quality control and calibration of the ZEUS forward and rear calorimeters with ^{60}Co sources A323 (1992) 611
Beissel, F., see Seeliger, R. A323 (1992) 519
Belas, E., see Höschl, P. A322 (1992) 371
Belayev, I.M., see Gobbi, A. A324 (1993) 156
Belevtsev, A.A., Electron multiplication coefficients in liquid rare gases A327 (1993) 18
Bell, R., see Axen, D. A328 (1993) 472
Bellato, M., see Bassato, G. A328 (1993) 195
Bellato, M., see Fortuna, G. A328 (1993) 236
Bellazzini, R., see Angelini, F. A323 (1992) 229
Belli, P., R. Bernabei, C. Bacci, A. Incicchitti and D. Prosperi, Underground Physics with liquid xenon detectors A327 (1993) 207
Bellia, G., see Del Zoppo, A. A327 (1993) 363
Bellia, G., R. Alba, R. Coniglione, A. Del Zoppo, P. Finocchiaro, C. Maiolino, E. Migneco, P. Piattelli, P. Sapienza, N. Frascaria, I. Lhenry, J.C. Roynette, T. Suomijärvi, N. Alamanos, F. Auger, A. Gillibert, D. Pierroutsakou, J.L. Sida and P.R. Silveira Gomes, Response of MEDEA BaF_2 detectors to 20–280 MeV photons A329 (1993) 173
Bellini, G., see Frabetti, P.L. A329 (1993) 62
Bellomo, G., see Barletta, W.A. A329 (1993) 348
Bellotti, E., O. Cremonesi, E. Fiorini, G. Gervasio, P. Povinec, S. Ragazzi, L. Rossi, P.P. Sverzelatti, J. Szarka, T. Tabarelli de Fatis and L. Zanotti, Multielement proportional chamber – a study of background in the Gran Sasso underground laboratory A323 (1992) 125
Bellotti, R., F. Cafagna, M. Calicchio, G. De Cataldo, C. De Marzo, O. Erriquez, C. Favuzzi, P. Fusco, N. Giglietto, B. Marangelli, A. Rainò, P. Spinelli and V. Stagno, A transition radiation detector for particle astrophysics experiments using low power consumption electronics A323 (1992) 71
Bellotti, R., see MACRO Collaboration A324 (1993) 337

Beltramin, A., see Pengo, R. ... A328 (1993) 242
Belz, J., see Albee, M. ... A325 (1993) 429
Bemporad, C., see MACRO Collaboration ... A324 (1993) 337
Ben, S., see Ishida, N. ... A327 (1993) 152
Bencheikh, B., A. Contin, R. DeSalvo, W. Hao, Y.Y. Wang, M. Lundin, R. Mondardini, C. Xu and K. You, Results on the spaghetti calorimeter projective prototype ... A323 (1992) 398
Bencivelli, W., see Conti, M. ... A322 (1992) 591
Benetti, P., E. Calligarich, R. Dolfini, A. Gigli Berzolari, F. Mauri, L. Mazzone, C. Montanari, A. Piazzoli, A. Rappoldi, G.L. Raselli, D. Scannicchio, A. Bettini, F. Casagrande, P. Casoli, S. Centro, B. Dainese, C. De Vecchi, F. Gasparini, G. Muratori, A. Pepato, F. Pietropaolo, P. Rossi, S. Suzuki, S. Ventura, F. Cavanna, G. Piano Mortari, P. Cennini, S. Cittolin, C. Rubbia, M. Cheng, D. Cline, S. Otwinowski, M. Zhou, L. Fortson, P. Picchi, H. Wang and L. Periale, The ICARUS R & D program and results ... A327 (1993) 173
Benetti, P., E. Calligarich, R. Dolfini, A. Gigli Berzolari, F. Mauri, L. Mazzone, C. Montanari, A. Piazzoli, A. Rappoldi, G.L. Raselli, D. Scannicchio, A. Bettini, F. Casagrande, P. Casoli, S. Centro, B. Dainese, C. De Vecchi, F. Gasparini, G. Muratori, A. Pepato, F. Pietropaolo, P. Rossi, S. Suzuki, S. Ventura, C. Castagnoli, G. Mannocchi, L. Periale, F. Cavanna, G. Piano Mortari, P. Cennini, S. Cittolin, C. Rubbia, M. Cheng, D. Cline, S. Otwinowski, M. Zhou, L. Fortson, P. Picchi and H. Wang, Detection of energy deposition down to the keV region using liquid xenon scintillation ... A327 (1993) 203
Benetti, P., A. Bettini, E. Calligarich, F. Casagrande, P. Casoli, C. Castagnoli, P. Cennini, S. Centro, S. Cittolin, D. Cline, C. De Vecchi, R. Dolfini, L. Fortson, A. Gigli Berzolari, G. Mannocchi, F. Mauri, L. Mazzone, C. Montanari, S. Otwinowski, A. Pepato, L. Periale, A. Piazzoli, P. Picchi, F. Pietropaolo, A. Rappoldi, G.L. Raselli, P. Rossi, C. Rubbia, D. Scannicchio, S. Suzuki, S. Ventura, H. Wang and M. Zhou, A simple and effective purifier for liquid xenon ... A329 (1993) 361
Bénichou, J.L., see Bakker, F. ... A330 (1993) 44
Benjelloun, M., Th. Delbar, W. Galster, P. Leleux, E. Liénard, P. Lipnik, P. Duhamel, J. Vanhorenbeeck, C. Rolfs, G. Roters, H.P. Trautvetter and W. Rodney, Precise measurement of the $J^{\pi} = 1^{-}$ resonance in ^{14}N by $^{13}C + p$ elastic scattering on a thick target ... A321 (1992) 521
Bentley, R.D., see Sims, M.R. ... A329 (1993) 329
Bento, A.C.S.S.M., see Dos Santos, J.M.F. ... A321 (1992) 238
Bento, A.C.S.S.M., see dos Santos, J.M.F. ... A324 (1993) 611
Benvenuto, P., see Anzivino, G. ... A329 (1993) 521
Benz, K.W., R. Irsigler, J. Ludwig, J. Rosenzweig, K. Runge, F. Schäfer, J. Schneider and M. Webel, X-ray detectors based on semi-insulating GaAs substrate ... A322 (1992) 493
Ben-Zvi, I., see Zhang, R. ... A324 (1993) 421
Ben-Zvi, I., see Jain, A. ... A328 (1993) 251
Berdoz, A.R., see Sum, V. ... A326 (1993) 489
Berdugo, J., see Adeva, B. ... A323 (1992) 109
Beretvas, A., A. Byon-Wagner, G.W. Foster, J. Freeman, D. Green, C. Hojvat, R. Tokarek, G. Zhang, Y. Zhou, E. Bartosz, V. Hagopian, H. Whitaker, D.E. Groom, R.W. Kadel, R. Gustafson, C. Leggett, M. Shappirio, J. Huston, L. Cremaldi, J. Reidy, D. Summers, V.E. Barnes, P. de Barbaro, A. Bodek, H. Budd, Q. Fan, W.K. W.K. Sakumoto, R. Walker and C. Zhao, Beam tests of composite calorimeter configurations from reconfigurable-stack calorimeter ... A329 (1993) 50
Berger, C., G. Czapek, U. Diggelmann, I. Flammer, D. Frei, M. Furlan, A. Gabutti, S. Janos, U. Moser, K. Pretzl, K. Schmiemann, D. Perret-Gallix, B. van den Brandt, J.A. Konter and S. Mango, Superheated superconducting granule detector tested with nuclear recoil measurements ... A330 (1993) 285
Berger, F., D. Bock, G. Clewing, L. Dragon, R. Glasgow, G. Hölker, K.H. Kampert, T. Peitzmann, M. Purschke, B. Roters, R. Santo, K. Steffens, D. Stüken and A. Twyhues, Particle identification in modular electromagnetic calorimeters ... A321 (1992) 152
Bergman, R., see Bakker, F. ... A330 (1993) 44
Bergstrom, J.C., see Vogt, J.M. ... A324 (1993) 198
Berley, D., see Alexandreas, D.E. ... A328 (1993) 570
Berman, L.E., M. Hart and S. Sharma, Adaptive crystal optics for undulator beamlines ... A321 (1992) 617
Berman, L.E., J.B. Hastings, D.P. Siddons, M. Koike, V. Stojanoff and M. Hart, Diamond crystal X-ray optics for high-power-density synchrotron radiation beams ... A329 (1993) 555
Bernabei, R., see Belli, P. ... A327 (1993) 207
Bernardini, P., see MACRO Collaboration ... A324 (1993) 337
Bernet, R., see Yadigaroglu, I. ... A323 (1992) 322
Bernet, R., see Eichenberger, S. ... A323 (1992) 532
Bernet, R., see Wolff, Th. ... A323 (1992) 537
Berst, J.D., see Anassontzis, E.G. ... A323 (1992) 351

Bertanza, L., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Bertazzo, L., see Fortuna, G. ... A328 (1993) 236
Berthier, B., see Lanzanó, G. ... A323 (1992) 694
Berthoumieux, E., see Lanzanó, G. ... A323 (1992) 694
Bertin, A., see Affatato, S. ... A325 (1993) 417
Bertin, R., see Beaumont, S.P. ... A321 (1992) 172
Bertin, R., see Beaumont, S.P. ... A322 (1992) 472
Bertin, R., see Beaumont, S.P. ... A326 (1993) 313
Bertini, R., see Ahmidouch, A. ... A326 (1993) 538
Bertino, M., see Asmone, A. ... A326 (1993) 477
Bertolucci, E., see Conti, M. ... A322 (1992) 591
Bertuccio, G., E. Gatti, M. Sampietro, P. Rehak and S. Rescia, Sampling and optimum data processing of detector signals ... A322 (1992) 271
Bertuccio, G., M. Sampietro and A. Fazzi, High resolution X-ray spectroscopy with silicon drift detectors and integrated electronics ... A322 (1992) 538
Bertuccio, G., P. Rehak and D. Xi, A novel charge sensitive preamplifier without the feedback resistor ... A326 (1993) 71
Bertuccio, G., see Pinotti, E. ... A326 (1993) 85
Bertuccio, G., see Chen, W. ... A326 (1993) 273
Bes, S.C., see Axen, D. ... A328 (1993) 472
Besch, H.-J., see Myalitsin, V.K. ... A323 (1992) 97
Bettini, A., see Benetti, P. ... A327 (1993) 173
Bettini, A., see Benetti, P. ... A327 (1993) 203
Bettini, A., see Benetti, P. ... A329 (1993) 361
Bettini, A., see Bakker, F. ... A330 (1993) 44
Betts, R.R., see Evensen, L. ... A326 (1993) 136
Beusch, W., J. Engelfried, S.G. Gerassimov, J. Heintze, S. Kluth, P. Lennert, S. Ljungfelt, K. Martens, R. Michaels, U. Müller, H. Rieseberg, H.-W. Siebert and G. Wälder, The RICH counter in the CERN hyperon beam experiment ... A323 (1992) 373
Beuville, E., see Munday, D. ... A326 (1993) 100
Bewick, A., see Sumner, T.J. ... A322 (1992) 514
Beyer, R., see CHARM-II Collaboration ... A325 (1993) 92
Bezzon, G., see Fortuna, G. ... A328 (1993) 236
Bezzubov, V., see DØ Collaboration ... A324 (1993) 53
Bharuth-Ram, K., see McMurray, W.R. ... A329 (1993) 217
Bhat, P., see DØ Collaboration ... A324 (1993) 53
Bhat, P., see Aihara, H. ... A325 (1993) 393
Bhatnagar, P.K., A. Pandya, A.R. Reddy and D.K. Thakur, Fast neutron irradiation for fabrication of narrow forward voltage p–i–n diodes ... A329 (1993) 467
Biagi, S.F., J.N. Jackson, T.J. Jones and S. Taylor, Initial investigations of the performance of a microstrip gas-avalanche chamber fabricated on a thin silicon-dioxide substrate ... A323 (1992) 258
Biagi, S.F., see EHIT Collaboration ... A323 (1992) 407
Bianchi, N., see Zucchiatti, A. ... A321 (1992) 219
Bianchi, N., see Anghinolfi, M. ... A324 (1993) 191
Bianco, S., see Frabetti, P.L. ... A329 (1993) 62
Bianco, S., see Anzivino, G. ... A329 (1993) 521
Biebel, O., B. Boden, S. Levegrün, A. Rollnik, S. Schreiber, R. Kowalewski, T. Behnke, H. Breuker, J. Hagemann, M. Hansroul, M. Hauschild, R.-D. Heuer, E. Prebys, E. Ros, Van Kooten R., U. Binder, W. Mohr, O. Schaile, C. Wahl, P. Bock, H.M. Bosch, A. Dieckmann, G. Eckerlin, P. Igo-Kemenes, G. Tysarczyk-Niemeyer and von der Schmitt H., Performance of the OPAL jet chamber ... A323 (1992) 169
Biffi, P., see Bingefors, N. ... A328 (1993) 447
Bigi, A., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Bigu, J., Thoron (^{220}Rn) progeny reduction by an air cleaner of the polarized media filter type ... A325 (1993) 357
Biller, S., see Alexandreas, D.E. ... A328 (1993) 570
Billing, M., see Rubin, D.L. ... A330 (1993) 12
Bilokon, H., see MACRO Collaboration ... A324 (1993) 337
Binder, U., see Biebel, O. ... A323 (1992) 169
Binder, U., see CHARM-II Collaboration ... A325 (1993) 92

Bingefors, N., S. Bouvier, S. Gadomski, G. Hall, T.S. Høgh, P. Jalocha, H. v.d. Lippe, J. Michel, E. Nygård, M. Raymond, A. Rudge, R. Sachdeva, P. Weilhammer and K. Yoshioka, A novel technique for fast pulse-shaping using a slow amplifier at LHC A326 (1993) 112
Bingefors, N., H. Borner, R. Boulter, M. Caccia, V. Chabaud, H. Dijkstra, P. Eerola, E. Gross, R. Horisberger, L. Hubbeling, B. Hyams, M. Karlsson, G. Maehlum, K. Ratz, I. Roditi, J. Straver, W. Trischuk, P. Weilhammer, Y. Dufour, P. Brückman, P. Jałocha, P. Kapusta, M. Turała, A. Zalewska, J. Lindgren, R. Orava, K. Österberg, C. Ronnqvist, H. Saarikko, J.P. Saarikko, T. Tuuva, B. d'Almagne, P. Bambade, F. Couchot, F. Fulda, A. Amery, P.S.L. Booth, A.R. Campion, R. McNulty, N.A. Smith, A. andreazza, M. Battaglia, P. Biffi, V. Bonvicini, W. Kucewicz, C. Meroni, N. Redaelli, A. Stocchi, C. Troncon, G. Vegni, P. Dauncey, M. Mazzucato, M. Pegoraro, A. Peisert, M. Baubillier, J. Chauveau, W. Da Silva, J.F. Genat, F. Rossel, T. Adye, R. Apsimon, J. Bizell, L. Denton, G.E. Kalmus, J. Lidbury, P. Seller, M. Tyndel, W. Dulinski, D. Husson, A. Lounis, M. Schaeffer, R. Turchetta, R. Brenner and E. Sundell, The DELPHI Microvertex detector A328 (1993) 447
Bini, C., see Asmone, A. A326 (1993) 477
Bini, M., see Poggi, G. A324 (1993) 177
Binkley, M., see Abbott, B. A327 (1993) 319
Binns, C.R., see Fraser, G.W. A321 (1992) 385
Binz, R., see Ball, J. A327 (1993) 308
Bionta, R.M., see Becker-Szendy, R. A324 (1993) 363
Birattari, C., A. Esposito, A. Ferrari, M. Pelliccioni and M. Silari, Calibration of the neutron rem counter LINUS in the energy range from thermal to 19 MeV A324 (1993) 232
Birien, P., see Crystal Barrel Collaboration A321 (1992) 69
Bischoff, A., see Bähr, J. A324 (1993) 145
Bischoff, A., N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, P. Lechner, G. Lutz, R.H. Richter and L. Strüder, Breakdown protection and long-term stabilisation for Si-detectors A326 (1993) 27
Bisello, D., P. Camarri, M. Cobal, H. Grassmann, S. Leone and M. Loreti, On-line monitoring of radiation damage in optical fibers A325 (1993) 446
Bisello, D., see Bacchetta, N. A326 (1993) 381
Bishop, C.M. and G.D. James, Analysis of multiphase flows using dual-energy gamma densitometry and neural networks A327 (1993) 580
Bishop, J.M., see Frabetti, P.L. A329 (1993) 62
Bisi, V., see MACRO Collaboration A324 (1993) 337
Bisoffi, G., see Fortuna, G. A328 (1993) 236
Bisoffi, G., see Cavenago, M. A328 (1993) 262
Bisplinghoff, J., see EDDA Collaboration A329 (1993) 151
Bistirlich, J., see Crystal Barrel Collaboration A321 (1992) 69
Bitter, T., F. Eisert, P. El-Muzeini, M. Kessler, E. Klemt, W. Lippert, W. Meienburg, M. Baldo-Ceolin, D. Gibin, A. Guglielmi, M. Mezzetto, G. Puglierin and D. Dubbers, A long neutron optical horn for the ILL neutron–antineutron oscillation experiment A321 (1992) 284
Bizell, J., see Bingefors, N. A328 (1993) 447
Bizzarri, R., see Bagnaia, P. A323 (1992) 528
Bizzarri, R., see Bagnaia, P. A324 (1993) 101
Bizzeti, P.G., From nuclear spectroscopy to nuclear matter A328 (1993) 361
Black, J.K., see Stanislaus, S. A323 (1992) 198
Black, T.C., see Fletcher, K.A. A329 (1993) 197
Blackmore, E.W., see Atiya, M.S. A321 (1992) 129
Blagus, S., Đ. Miljanić, D. Renić, D. Tomić, B. Vojnović and M. Zadro, A fast neutron pulsing facility at "Ruder Bošković" institute A321 (1992) 271
Blaich, Th., see Gobbi, A. A324 (1993) 156
Blanis, D., see Ueno, K. A323 (1992) 601
Blank, B., C. Marchand, R. Del Moral, J.P. Dufour, L. Faux, A. Fleury and M.S. Pravikoff, Electrostatic collection and detection of proton-rich projectile fragments in a microstrip-anode gas counter A330 (1993) 83
Blatchley, C.C., see Harihar, P. A322 (1992) 40
Blazey, G.C., see DØ Collaboration A324 (1993) 53
Blazey, G.C., see Aihara, H. A325 (1993) 393
Blazey, G.C. and R.J. Hirosky, The minimum and heavily ionizing components of particle showers A327 (1993) 141
Blessing, S., see DØ Collaboration A324 (1993) 53
Blinov, V.E., see Baru, S.E. A323 (1992) 151
Bloch, D., see Anassontzis, E.G. A323 (1992) 351
Bloch, P., see CPLEAR Collaboration A321 (1992) 458
Bloch-Devaux, B., see Batignani, G. A326 (1993) 183

Block, F., see Becks, K.H. A329 (1993) 501
Bloise, C., see MACRO Collaboration A324 (1993) 337
Blomqvist, K.I., see Vogt, J.M. A324 (1993) 198
Blum, E.B., U. Happek and A.J. Sievers, Observation of coherent synchrotron radiation at the Cornall linac, Nucl. Instr. and Meth. A307 (1991) 568–576 (*Erratum*) A321 (1992) 415
Blüm, P., see Crystal Barrel Collaboration A321 (1992) 69
Blume-Werry, J., see Steffens, K.-H. A325 (1993) 378
Blumenfeld, Y., see Laurent, H. A326 (1993) 517
Blümlein, J. and M. Klein, On the cross calibration of calorimeters at ep colliders A329 (1993) 112
Blunier, S., see Tiwari, A.N. A322 (1992) 352
Bobbink, G.J., see Adeva, B. A323 (1992) 109
Bobrowski, M., K. Jeleń, S. Koperny, T.Z. Kowalski, W. Machowski, E. Rulikowska-Zarębska, J. Zając, ZEUS–BAC Group, Proportional counters as monitoring detectors of BAC chambers at the ZEUS experiment A323 (1992) 309
Boca, G., see Frabetti, P.L. A329 (1993) 62
Boccaccio, P., see Gobbi, A. A324 (1993) 156
Bock, A., see Detemple, P. A321 (1992) 479
Bock, D., see Berger, F. A321 (1992) 152
Bock, P., see Biebel, O. A323 (1992) 169
Bock, R., see Gobbi, A. A324 (1993) 156
Bock, R., see Baechler, J. A324 (1993) 449
Bockelman, C.K., see Hyder, H.R.McK. A328 (1993) 126
Bode, P., see Overwater, R.M.W. A324 (1993) 209
Bodek, A., see Hauser, J. A321 (1992) 497
Bodek, A., see Beretvas, A. A329 (1993) 50
Boden, B., see Biebel, O. A323 (1992) 169
Bodenstedt, E., see Alfter, I. A321 (1992) 506
Bogart, C.W., see Frabetti, P.L. A329 (1993) 62
Bogart, J., see Axen, D. A328 (1993) 472
Bogaty, J.M., see Bollinger, L.M. A328 (1993) 221
Bogdanov, D.D., see Andreyev, A.N. A330 (1993) 125
Böge, M., see Barber, D.P. A329 (1993) 79
Bogert, D., see DØ Collaboration A324 (1993) 53
Boggia, A., see Brautti, G. A328 (1993) 59
Bohm, C., see Hovander, B. A325 (1993) 266
Bohm, C., see Appelquist, G. A327 (1993) 489
Böhm, G., A. Dewald, P. Petkov and P. von Brentano, The differential decay curve method for the analysis of Doppler shift timing experiments A329 (1993) 248
Bohne, W., see Pausch, G. A322 (1992) 43
Boiano, A., see Ambrosio, M. A321 (1992) 609
Boiano, A., see MACRO Collaboration A324 (1993) 337
Boiano, C., see Iori, I. A325 (1993) 458
Boiano, C., see Bassini, R. A327 (1993) 535
Boissevain, J.G., see Sullivan, J.P. A324 (1993) 441
Boissevain, J.G., see Barberis, E. A326 (1993) 373
Bolla, G., see Bacchetta, N. A326 (1993) 381
Bollinger, L.M., R.C. Pardo, K.W. Shepard, J.M. Bogaty, B.E. Clifft, F.H. Munson and G. Zinkann, First operational experience with the positive-ion injector of ATLAS A328 (1993) 221
Bollini, D., see Baldazzi, G. A322 (1992) 644
Bollini, D., see Baldazzi, G. A326 (1993) 319
Bollini, D., F. Cervellera, G.P. Egeni, P. Mazzoldi, G. Moschini, P. Rossi and V. Rudello, The microbeam facility of the AN-2000 accelerator of the Laboratori Nazionali di Legnaro A328 (1993) 173
Bollmann, R., see EDDA Collaboration A329 (1993) 151
Bolotnikov, A., see Aprile, E. A327 (1993) 25
Bolotnikov, A., see Aprile, E. A327 (1993) 216
Bolozdynya, A., see Chen, M. A327 (1993) 187
Bolozdynya, A.I., see Akimov, D.Yu. A327 (1993) 155
Bolton, R.D., see Stanislaus, S. A323 (1992) 198
Bolton, T., see Axen, D. A328 (1993) 472
Bom, V.R., see Okx, W.J.C. A323 (1992) 466

Bondarenko, V., B. Dolgoshein, V. Grigoriev, O. Kondratiev, A. Medvedev, S. Pavlenko, M. Potekhin, A. Romaniouk, V. Sosnovtsev, V. Tcherniatine and S. Muraviev, Kapton straw chambers for a tracking transition radiation detector ... A327 (1993) 386
Bonetti, S., M. Campanella, I. Manno, E. Meroni, A. Preda, G. Ranucci and P. Ullucci, The Monte Carlo code for the Borexino detector at LNGS ... A329 (1993) 314
Bonetti, S., see Ranucci, G. ... A330 (1993) 276
Bonifaci, N. and A. Denat, Electron and light emissions in liquid argon and liquid methane in a divergent electric field ... A327 (1993) 78
Bonifacio, R., see Barletta, W.A. ... A329 (1993) 348
Bonino, R., see Munday, D. ... A326 (1993) 100
Bonino, R., see Anghinolfi, F. ... A326 (1993) 365
Bonner, B.E., see Etkin, A. ... A323 (1992) 224
Bonner, B.E., see Ahmad, S. ... A330 (1993) 416
Bonori, M., see MINI Collaboration ... A324 (1993) 330
Bonvicini, V., see Brenner, R. ... A326 (1993) 189
Bonvicini, V., see Brenner, R. ... A326 (1993) 198
Bonvicini, V., see Bingefors, N. ... A328 (1993) 447
Booth, C.N., see Beaumont, S.P. ... A321 (1992) 172
Booth, C.N., see Beaumont, S.P. ... A322 (1992) 472
Booth, C.N., see Beaumont, S.P. ... A326 (1993) 313
Booth, P.S.L., see Bingefors, N. ... A328 (1993) 447
Bootsma, T.M.V., W. Verkerke, A. van den Brink, N.J.A.M. van Eijndhoven, A.P. de Haas, W.F. van Heeringen, R. Kamermans, C.T.A.M. de Laat, P.G. Kuijer, G.J. van Nieuwenhuizen, R.J.M. Snellings and C.J.W. Twenhöfel, Microstrip detectors in intermediate energy heavy ion physics (*Letter to the Editor*) ... A324 (1993) 399
Bootsma, T.M.V., see van Nieuwenhuizen, G.J. ... A325 (1993) 516
Borcea, C., see Iacob, V.E. ... A325 (1993) 373
Borcherding, F., see DØ Collaboration ... A324 (1993) 53
Borchi, E., see Bruzzi, M. ... A326 (1993) 344
Borders, J., see DØ Collaboration ... A324 (1993) 53
Borders, J., see Aihara, H. ... A325 (1993) 393
Borgognoni, R., see Bastianello, G. ... A324 (1993) 543
Borisov, V.V., see Baranov, V.T. ... A328 (1993) 413
Bormann, Ch., see Senger, P. ... A327 (1993) 393
Borner, H., see Bingefors, N. ... A328 (1993) 447
Bosch, H.M., see Biebel, O. ... A323 (1992) 169
Boscolo, I., see Brautti, G. ... A328 (1993) 59
Bosi, F., see Batignani, G. ... A326 (1993) 183
Bosisio, L., see Angelini, F. ... A323 (1992) 229
Bosisio, L., see Batignani, G. ... A326 (1993) 183
Bossingham, R., see Crystal Barrel Collaboration ... A321 (1992) 69
Bossolasco, S., see Balestra, F. ... A323 (1992) 523
Bossy, H., see Crystal Barrel Collaboration ... A321 (1992) 69
Bosteels, M., see Baechler, J. ... A324 (1993) 449
Boštjančič, B., O. Botner, L.O. Eek, V. Gracco, A. Hallgren, D. Isenhower, J. Medbo and J. Michalowski, Drift optimization for the photon detectors of the DELPHI forward ring imaging Cherenkov detector ... A323 (1992) 363
Botner, O., see Boštjančič, B. ... A323 (1992) 363
Bottigli, U., see Conti, M. ... A322 (1992) 591
Bouchefer, M., see Colautti, P. ... A321 (1992) 392
Boucheneb, N., see Asghar, M. ... A330 (1993) 178
Bouclier, R., J.J. Florent, J. Gaudaen, G. Millon, A. Pasta, L. Ropelewski, F. Sauli and L.I. Shekhtman, High flux operation of microstrip gas chambers on glass and plastic supports ... A323 (1992) 240
Boudreau, J., see Batignani, G. ... A326 (1993) 183
Bougerolle, S., see Axen, D. ... A328 (1993) 472
Boulter, R., see Bingefors, N. ... A328 (1993) 447
Bourdarios, C., see Anassontzis, E.G. ... A323 (1992) 351
Bourgarel, M.P., P. Bricault, A. Chabert, M. Duval, A. Joubert, Ch. Ricaud and P. Sortais, Proposals for a radioactive ion beam facility at GANIL ... A328 (1993) 321
Bourquin, M., J.H. Field, G. Forconi, H. Hoorani, A. Léger, J. Perrier, N. Produit and J.-P. Richeux, A multi-hit ADC and TDC for the charged particle trigger of the L3 experiment ... A325 (1993) 509
Boussange, S., see Gobbi, A. ... A324 (1993) 156
Bouvier, S., see Bingefors, N. ... A326 (1993) 112

Bouzid, B., see Asghar, M. ... A330 (1993) 178
Bower, C., see MACRO Collaboration ... A324 (1993) 337
Bowman, C.D., see Triple Collaboration ... A326 (1993) 549
Bowman, J.D., see Triple Collaboration ... A326 (1993) 549
Bowyer, S.M., see Wells, S.P. ... A325 (1993) 205
Boyarski, A., D. Briggs and P.R. Burchat, Studies of helium based drift chamber gases for high-luminosity low energy machines ... A323 (1992) 267
Boyko, Ya.I., see Vishnevsky, I.N. ... A328 (1993) 39
Bozko, N., see DØ Collaboration ... A324 (1993) 53
Brack, J.T., see Hofman, G.J. ... A325 (1993) 384
Bracker, S.B., see Amato, S. ... A324 (1993) 535
Bradamante, F., see Ahmidouch, A. ... A326 (1993) 538
Braem, A., A. Gonidec, D. Schinzel, W. Seidl, E. Clayton, G. Hall, R. Payne, S. Roe, C. Seez, J. Striebig, T.S. Virdee and D. Cockerill, Performance of a liquid xenon calorimeter cell ... A326 (1993) 325
Brajnik, D., see Starič, M. ... A323 (1992) 457
Brake, R., see McGregor, D.S. ... A322 (1992) 487
Brambilla, E., see Adeva, B. ... A323 (1992) 109
Brambilla, S., see Iori, I. ... A325 (1993) 458
Brambilla, S., see Bassini, R. ... A327 (1993) 535
Brandenburg, S., see Laurent, H. ... A326 (1993) 517
Brandl, B., A. Falvard, C. Guicheney, P. Henrard, J. Jousset and J. Proriol, Multivariate analysis methods to tag b-quark events at LEP/SLC ... A324 (1993) 307
Brandt, A., J. Ellett, S. Erhan, R. Jackson, A. Kuzucu, M. Medinnis, P. Oillataguerre, N. Ozdes, P. Schlein, M. Zeyrek, J. Zweizig, J.B. Cheze and J. Zsembery, The small angle spectrometer of experiment UA8 at the $Sp\bar{p}S$-collider ... A327 (1993) 412
Branford, D., see Davis, N.J. ... A330 (1993) 165
Branson, J.D., see Adeva, B. ... A323 (1992) 109
Braoudakis, G., see Omori, M. ... A329 (1993) 183
Bras, W., G.E. Derbyshire, A.J. Ryan, G.R. Mant, A. Felton, R.A. Lewis, C.J. Hall and G.N. Greaves, Simultaneous time resolved SAXS and WAXS experiments using synchrotron radiation ... A326 (1993) 587
Bratton, C.B., see Becker-Szendy, R. ... A324 (1993) 363
Brau, J., see Axen, D. ... A328 (1993) 472
Braune, K., see Crystal Barrel Collaboration ... A321 (1992) 69
Bräuning, H., A. Breskin, R. Chechik, P. Miné and D. Vartsky, Investigation of CsI and CsI–TMAE VUV-photocathodes in vacuum and gas media ... A327 (1993) 369
Bräuninger, H., see Pinotti, E. ... A326 (1993) 85
Bräuninger, H., R. Danner, D. Hauff, P. Lechner, G. Lutz, N. Meidinger, E. Pinotti, C. Reppin, L. Strüder, J. Trümper, E. Kendziorra, J. Krämer, M. Mohan, R. Staubert, N. Findeis, P. Holl, J. Kemmer and C. von Zanthier, First results with the pn-CCD detector system for the XMM satellite mission ... A326 (1993) 126
Brautti, G., A. Boggia, L.L. Gala, V. Stagno, A. Rainò, V. Valentino, V. Variale, N. Ceci and I. Boscolo, Tubeless vacuum insulated Cockroft–Walton accelerator ... A328 (1993) 59
Brecht, D., S. Gamp, W. Hofmann, T. Kihm, J. Knöppler, V. Matheis, M. Panter, R. Reimers, M. Rosales, C. Wiedner, R. Zink, M. Feuerstack, J. Heintze, P. Lennert, S. Polenz and B. Stadler, Cosmic ray tracking – a new approach to high-energy γ-astronomy ... A323 (1992) 60
Breidenbach, M., see Axen, D. ... A328 (1993) 472
Bremer, H.-D., see Barber, D.P. ... A329 (1993) 79
Brendle, M. and G. Lude, An advanced preprocessor for multiparameter experiments (*Letter to the Editor*) ... A322 (1992) 307
Brendle, M. and G. Lude, A large CAMAC histogramming memory ... A324 (1993) 260
Brenner, R., R. Harr, A. Rudge, D. Santos, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, M. Turala, V. Bonvicini, W. Kucewicz, S. Masciocchi, G. Vegni, A. Peisert, J. Ardelan, A. Hrisoho, K. Troung, F. Couchot, C. Colledani, W. Dulinski, D. Husson, A. Lounis, N. Mayet, M. Schaeffer, R. Turchetta, A. Smith, R. Apsimon, P. Seller, M. Tyndel, M. Aalste, I. Hietanen, J. Lindgren, K. Osterberg, R. Orava, C. Ronnqvist, T. Tuuva and M. Voutilainen, Measurement of the spatial resolution of double-sided double-metal AC-coupled silicon microstrips detectors ... A326 (1993) 189
Brenner, R., J. Carstens, A. Rudge, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, P. Jalocha, M. Turala, V. Bonvicini, A. Peisert, C. Colledani, W. Dulinski, A. Lounis, M. Schaeffer, R. Turchetta and R. Harr, Results from double-sided silicon microstrip detector with field plate separation ... A326 (1993) 198
Brenner, R., see Bingefors, N. ... A328 (1993) 447
Breskin, A., see Pansky, A. ... A323 (1992) 294
Breskin, A., see Chen, W. ... A326 (1993) 273
Breskin, A., see Bräuning, H. ... A327 (1993) 369

Breskin, A., see Frumkin, I. ... A329 (1993) 337
Breskin, A., see Pansky, A. ... A330 (1993) 150
Bressi, G., see MINI Collaboration ... A324 (1993) 330
Bressi, G., G. Carugno, E. Conti, E. D'Uscio and D. Zanello, Ultra high level liquid argon purification using electron emission from a tip array ... A327 (1993) 163
Breuer, M., see Detemple, P. ... A321 (1992) 479
Breuker, H., see Biebel, O. ... A323 (1992) 169
Brez, A., see Angelini, F. ... A323 (1992) 229
Bricault, P., see Bourgarel, M.P. ... A328 (1993) 321
Bridou, F., see Maaza, M. ... A326 (1993) 531
Briggs, D., see Boyarski, A. ... A323 (1992) 267
Brill, D., see Senger, P. ... A327 (1993) 393
Brinkmann, R., see Barber, D.P. ... A329 (1993) 79
Britt, H.C., see Costales, J.B. ... A330 (1993) 183
Britvich, G.I., V.G. Vasil'chenko, I.I. Buchinskaya, E.A. Krivandina, B.P. Sobolev, M. Kobayashi, V.A. Kozlov and M.M. Litvinov, Radiation resistant multicomponent inorganic materials for homogeneous e.m. calorimeters ... A321 (1992) 64
Britvich, G.I., see Buzulutskov, A.F. ... A322 (1992) 235
Britvich, G.I., A.I. Peresypkin, V.I. Rykalin, V.G. Vasil'chenko, L.D. Kornylovskaya, S.A. Malinovskaya, V.T. Skripkina, V.M. Shershukov, E.G. Yushko, A.V. Kulichenko and A.I. Pyshchev, Radiation damage studies on polystyrene-based scintillators ... A326 (1993) 483
Britvich, G.I., see Antipov, A.V. ... A327 (1993) 346
Broadbent, C.J., see Parker, D.J. ... A326 (1993) 592
Brock, R., see DØ Collaboration ... A324 (1993) 53
Bröders, R., see Roderburg, E. ... A323 (1992) 140
Bröders, R., see Dahmen, M. ... A323 (1992) 542
Broomer, B., see Albee, M. ... A325 (1993) 429
Bross, A.D., see DØ Collaboration ... A324 (1993) 53
Bross, A.D., A. Pla-Dalmau and C.W. Spangler, New fluorescent compounds for plastic scintillator applications ... A325 (1993) 168
Bross, A.D. and A. Pla-Dalmau, Radiation effects in intrinsic 3HF scintillator ... A327 (1993) 337
Brouwer, C., see Bakker, F. ... A330 (1993) 44
Brown, D., see Batignani, G. ... A326 (1993) 183
Brown, R.L., see Pile, P.H. ... A321 (1992) 48
Brückman, P., see Bingefors, N. ... A328 (1993) 447
Brückner, W., see Barber, D.P. ... A329 (1993) 79
Brümmer, N., see Anassontzis, E.G. ... A323 (1992) 351
Brunet, J.M., see Anassontzis, E.G. ... A323 (1992) 351
Bruno, M., see Iori, I. ... A325 (1993) 458
Brunton, A.N., see Fraser, G.W. ... A324 (1993) 404
Bruschi, M., see Affatato, S. ... A325 (1993) 417
Bruyndonckx, P., Z. Shuping and S. Tavernier, Study of the spatial resolution in gamma detectors using photosensitive wire chambers in view of their use as high resolution PET scanners ... A323 (1992) 54
Bruzzi, M., see Beaumont, S.P. ... A326 (1993) 313
Bruzzi, M., A. Baldini, E. Borchi and I. Lukianov, Defect complexes in neutron irradiated silicon detectors: evaluation and effects ... A326 (1993) 344
Bryman, D.A., see Atiya, M.S. ... A321 (1992) 129
Brynolf, J., see Eriksson, H.G. ... A325 (1993) 537
Bucconi, A., see Stalio, R. ... A326 (1993) 150
Buchanan, J.A., see Etkin, A. ... A323 (1992) 224
Buchholz, D., see DØ Collaboration ... A324 (1993) 53
Buchholz, D., see Frabetti, P.L. ... A329 (1993) 62
Buchholz, P., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Buchinskaya, I.I., see Britvich, G.I. ... A321 (1992) 64
Buchinskaya, I.I., see Antipov, A.V. ... A327 (1993) 346
Büchler, K., see Detempie, P. ... A321 (1992) 479
Buckley, J., J. Dwyer, D. Müller, S. Swordy and K.K. Tang, A ring imaging Cherenkov telescope for observations of high energy cosmic rays ... A323 (1992) 380
Budagov, J.A., see Demortier, L. ... A324 (1993) 77
Budagov, Yu., I. Chirikov-Zorin, L. Golovanov, D. Khazins, A. Kuritsin, O. Pukhov and V. Zhukov, Drift chambers on the basis of Mylar tube blocks ... A330 (1993) 458

Budd, H., see Beretvas, A. A329 (1993) 50
Budd, H.S., see Hauser, J. A321 (1992) 497
Bugg, B., see Axen, D. A328 (1993) 472
Bugg, D.V., see Crystal Barrel Collaboration A321 (1992) 69
Bugge, L., M. Dam, A.L. Read, J. Myrheim and G. Skjevling, Absolute in situ energy calibration of luminosity calorimeters in the DELPHI experiment at LEP A327 (1993) 296
Bugge, L., see Myrheim, J. A327 (1993) 539
Bujak, A., see Adeva, B. A323 (1992) 109
Bukin, A.D., see Aulchenko, V.M. A327 (1993) 193
Bulgakov, N., see DØ Collaboration A324 (1993) 53
Bulgakov, N., see Aubert, B. A325 (1993) 116
Bulgakov, N., see RD3 Collaboration A330 (1993) 405
Bulgarelli, D., see Affatato, S. A325 (1993) 417
Buncic, P., see Baechler, J. A324 (1993) 449
Buontempo, S., A. Ereditato, L. Parascandolo, F. Riccardi and P. Salmas, A fast constant-fraction discriminator for e/S.C. separation with a lead/scintillating-fiber calorimeter A327 (1993) 509
Burchat, P.R., see Boyarski, A. A323 (1992) 267
Burchell, M., see Crystal Barrel Collaboration A321 (1992) 69
Burckhart, H.J., see Baines, J.T.M. A325 (1993) 271
Burger, A., S.H. Morgan, E. Silberman, D. Nason and A.Y. Cheng, A review of recent measurements of optical and thermal properties of α-mercuric iodide A322 (1992) 427
Burger, J.D., see Adeva, B. A323 (1992) 109
Burgos, C., see Adeva, B. A323 (1992) 109
Burkard, H., see CHARM-II Collaboration A325 (1993) 92
Burke, S., see Bailey, J.M. A323 (1992) 184
Burke, S., see Grässler, H. A323 (1992) 401
Burtovoy, V., see DØ Collaboration A324 (1993) 53
Busacchi, G., see Iori, I. A325 (1993) 458
Büscher, Ch., see Barber, D.P. A329 (1993) 79
Busenitz, J.K., see Frabetti, P.L. A329 (1993) 62
Buso, G., see Fortuna, G. A328 (1993) 236
Buso, G.P., see Pengo, R. A328 (1993) 242
Buso, G.P., see Palmieri, V. A328 (1993) 280
Bussa, M.P., see Balestra, F. A323 (1992) 523
Büsser, F.W., see CHARM-II Collaboration A325 (1993) 92
Bussey, P.J., see EHIT Collaboration A323 (1992) 407
Bussino, S., see MACRO Collaboration A324 (1993) 337
Busso, L., see Balestra, F. A323 (1992) 523
Buta, A., see Gobbi, A. A324 (1993) 156
Butler, J.M., see DØ Collaboration A324 (1993) 53
Butler, J.N., see Frabetti, P.L. A329 (1993) 62
Buttar, C., see Beaumont, S.P. A321 (1992) 172
Buttar, C., see Beaumont, S.P. A322 (1992) 472
Buttar, C., see Beaumont, S.P. A326 (1993) 313
Buttazzo, P., see Iori, I. A325 (1993) 458
Buttler, W., G. Lutz, G. Cesura, P.F. Manfredi, V. Speziali and A. Tomasini, Short channel, CMOS-compatible JFET in low noise applications A326 (1993) 63
Buzulutskov, A.F., G.I. Britvich, V.I. Kochetkov, M.V. Mityagin, L.L. Vistin and I.P. Zibrov, Study of the $KMgF_3$ scintillator radiation damage A322 (1992) 235
Buzulutskov, A.F. and L.K. Turchanovich, Development of photosensitive wire detectors at IHEP A323 (1992) 458
Byard, K., On self-supporting coded aperture arrays A322 (1992) 97
Bychkov, V.N., I.A. Golutvin, Yu.V. Ershov, E.V. Zubarev, A.B. Ivanov, V.N. Lysiakov, A.V. Makhankov, S.A. Movchan, V.D. Peshekhonov and T. Preda, A high precision straw tube chamber with cathode readout .. A325 (1993) 158
Byon-Wagner, A., see Beretvas, A. A329 (1993) 50
Byrd, J., see Rubin, D.L. A330 (1993) 12
Bystricky, J., see Ball, J. A327 (1993) 308

Cabasino, S., see Bastianello, G. A324 (1993) 543
Cabibbo, N., see Bastianello, G. A324 (1993) 543
Caccia, M., P. Guazzoni, W. Kucewicz, C. Meroni, G. Taiocchi, G. Vegni and L. Zetta, A fast analog-to-digital readout for microstrip detectors A321 (1992) 348

Caccia, M., see Bingefors, N. A328 (1993) 447
Caccianiga, B., see Frabetti, P.L. A329 (1993) 62
Cafagna, F., see Bellotti, R. A323 (1992) 71
Cafagna, F., see MACRO Collaboration A324 (1993) 337
Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration, G.D. Barr, P. Buchholz, R. Caroni, D. Coward, D. Cundy, N. Doble, L. Gatignon, A. Gonidec, B. Hallgren, G. Kesseler, A. Lacourt, G. Laverrière, G. Linser, M. Mast, P. Schilly, D. Schinzel, W. Seidl, H. Taureg, H. Wahl, P. Wicht, L. Bertanza, A. Bigi, P. Calafiura, R. Casali, C. Cerri, R. Fantechi, G. Gennaro, B. Gorini, I. Mannelli, V. Marzulli, G. Pierazzini, D. Schiuma, F. Sergiampietri, D. Bederede, M. Debeer, P. Debu, B. Peyaud, A. Kreutz, E. Griesmayer, M. Markytan, G. Neuhofer, M. Pernicka, A. Taurok, G. Viehhauser and C.E. Wulz, The NA48 liquid krypton prototype calorimeter A323 (1992) 393
Cairns, E.B., J. Cameron, W.C. Choi, H.W. Fielding, P.W. Green, L.G. Greeniaus, E.D. Hackett, L. Holm, N.R. Kolb, E. Korkmaz, P.P. Langill, W.J. McDonald, D. Mack, W.C. Olsen, B.A. Peterson, N.L. Rodning, J. Soukup, J. Zhu, D. Hutcheon, H.S. Caplan, R.E. Pywell, D.M. Skopik, J.M. Vogt and I.J. van Heerden, The Saskatchewan–Alberta large acceptance detector for photonuclear physics A321 (1992) 109
Cali, C., see Finocchiaro, P. A322 (1992) 263
Calabretta, L., see Ciavola, G. A328 (1993) 64
Calabretta, L., S. Gammino and G. Amata, Test of the bunching system for tandem beams A328 (1993) 186
Calafiura, P., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Caldwell, A., I. Gialas, S. Mishra, J. Parsons, S. Ritz, F. Sciulli, W. Sippach, W. Smith, L. Hervas, U. Kötz and R. Klanner, Design and implementation of a high precision readout system for the ZEUS calorimeter ... A321 (1992) 356
Caldwell, A., L. Hervás, J.A. Parsons, F. Sciulli, W. Sippach and L. Wai, Measurement of the time development of particle showers in a uranium scintillator calorimeter A330 (1993) 389
Calicchio, M., see Bellotti, R. A323 (1992) 71
Calicchio, M., see MACRO Collaboration A324 (1993) 337
Calligarich, E., see Benetti, P. A327 (1993) 173
Calligarich, E., see Benetti, P. A327 (1993) 203
Calligarich, E., see Benetti, P. A329 (1993) 361
Calvani, P., see Roy, P. A325 (1993) 568
Camarri, P., see Bisello, D. A325 (1993) 446
Cameron, J., see Cairns, E.B. A321 (1992) 109
Camilleri, L., see Axen, D. A328 (1993) 472
Camin, D.V., see Aubert, B. A321 (1992) 467
Camin, D.V., see Aubert, B. A325 (1993) 116
Camin, D.V., see RD3 Collaboration A330 (1993) 405
Campana, D., see MINI Collaboration A324 (1993) 330
Campana, D., see MACRO Collaboration A324 (1993) 337
Campana, P., see MACRO Collaboration A324 (1993) 337
Campanella, M., see Bonetti, S. A329 (1993) 314
Campbell, A.B., see Harihar, P. A322 (1992) 40
Campbell, D., see Munday, D. A326 (1993) 100
Campbell, M., see Munday, D. A326 (1993) 100
Campion, A.R., see Bingefors, N. A328 (1993) 447
Canali, C., see Bacchetta, N. A326 (1993) 381
Candela, A., see Ambrosio, M. A321 (1992) 609
Candela, A., see MACRO Collaboration A324 (1993) 337
Candia, A., see Axen, D. A328 (1993) 472
Canella, S., see Bassato, G. A328 (1993) 195
Canella, S., see Fortuna, G. A328 (1993) 236
Cantoni, P., see Aulchenko, V.M. A327 (1993) 193
Capiluppi, P., see Allport, P.P. A324 (1993) 34
Caplan, H.S., see Cairns, E.B. A321 (1992) 109
Caplan, H.S., see Vogt, J.M. A324 (1993) 198
Čaplar, R., see Gobbi, A. A324 (1993) 156
Capone, A., see CHARM-II Collaboration A325 (1993) 92
Capponi, M., see Affatato, S. A325 (1993) 417
Carboni, M., see MACRO Collaboration A324 (1993) 337
Cardarelli, R., see Bacci, C. A324 (1993) 83
Cardarelli, R., V. Chiostri, L. Di Stante, E. Reali, R. Santonico, M. Travaglini and E. Tusi, On a very fast topological trigger A324 (1993) 253

Cardarelli, R., see MINI Collaboration A324 (1993) 330
Cardini, A., see Adinolfi, M. A329 (1993) 117
Cardman, L.S., see Engwall, D.A. A324 (1993) 409
Carelli, P., see Leoni, R. A322 (1992) 258
Caria, M., see CHARM-II Collaboration A325 (1993) 92
Carius, S., see Stanislaus, S. A323 (1992) 198
Carlino, G., see Adeva, B. A323 (1992) 109
Carlo, F.D., see Stalio, R. A326 (1993) 150
Carlson, P., see Vuillemin, V. A327 (1993) 44
Caroli, E., G. Baldazzi, G. Di Cocco, A. Donati, W. Dusi, G. Malaguti, M. Rossi and J.B. Stephen, A CdTe gamma-ray spectrometer with imaging capabilities for astrophysics: Monte Carlo simulation results A322 (1992) 639
Caroli, E., see Baldazzi, G. A322 (1992) 644
Caroni, R., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Carpenter, J.M. and D.F.R. Mildner, Improving the resolution of chopper spectrometers at pulsed neutron sources A325 (1993) 255
Carpinelli, M., see Batignani, G. A326 (1993) 183
Carr, J., see Batignani, G. A326 (1993) 183
Carraresi, L., see Beaumont, S.P. A321 (1992) 172
Carraresi, L., see Beaumont, S.P. A322 (1992) 472
Carraresi, L., see Beaumont, S.P. A326 (1993) 313
Carrié, P., see Anassontzis, E.G. A323 (1992) 351
Carstens, J., see Brenner, R. A326 (1993) 198
Carsughi, F., see Albertini, G. A321 (1992) 381
Carter, A.A., see Allport, P.P. A324 (1993) 34
Carter, J.R., see Allport, P.P. A324 (1993) 34
Cartiglia, N., see Gadomski, S. A326 (1993) 239
Cartiglia, N., see Barberis, E. A326 (1993) 373
Carugno, G., see Bressi, G. A327 (1993) 163
Casaccia, R., see Anzivino, G. A329 (1993) 521
Casagrande, F., see Benetti, P. A327 (1993) 173
Casagrande, F., see Benetti, P. A327 (1993) 203
Casagrande, F., see Benetti, P. A329 (1993) 361
Casali, F., see Baldazzi, G. A322 (1992) 644
Casali, F., see Baldazzi, G. A326 (1993) 319
Casali, R., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Casano, L., see Zucchiatti, A. A321 (1992) 219
Case, T., see Crystal Barrel Collaboration A321 (1992) 69
Casoli, P., see Benetti, P. A327 (1993) 173
Casoli, P., see Benetti, P. A327 (1993) 203
Casoli, P., see Benetti, P. A329 (1993) 361
Casoli, P., see Bakker, F. A330 (1993) 44
Cason, N.M., see Frabetti, P.L. A329 (1993) 62
Casper, D., see Becker-Szendy, R. A324 (1993) 363
Cassagnou, Y., see Lanzanó, G. A323 (1992) 694
Castagnoli, C., see Benetti, P. A327 (1993) 203
Castagnoli, C., see Benetti, P. A329 (1993) 361
Castañeda, M., see Andrade, E. A328 (1993) 68
Castellano, M.G., see Leoni, R. A322 (1992) 258
Castoldi, A., see Vacchi, A. A326 (1993) 267
Castoldi, C., see Frabetti, P.L. A329 (1993) 62
Cattaneo, P., see Batignani, G. A326 (1993) 183
Catz, H., see Ahmidouch, A. A326 (1993) 538
Cavaletti, R., see Ranucci, G. A324 (1993) 580
Cavaletti, R., see Ranucci, G. A330 (1993) 276
Cavallaro, Sl., see Lanzanó, G. A323 (1992) 694
Cavalli, D., see Aubert, B. A321 (1992) 467
Cavalli, D., see Aubert, B. A325 (1993) 116
Cavalli, D., see RD3 Collaboration A330 (1993) 405

Cavanna, F., see Benetti, P. A327 (1993) 173
Cavanna, F., see Benetti, P. A327 (1993) 203
Cavenago, M., see Fortuna, G. A328 (1993) 236
Cavenago, M. and G. Bisoffi, Commissioning of the ECR ion source Alice A328 (1993) 262
Cavenago, M., Selection of charge for the ECR Alice without forming a waist A328 (1993) 266
Cecchini, S., see MACRO Collaboration A324 (1993) 337
Ceci, N., see Brautti, G. A328 (1993) 59
Cei, F., see MACRO Collaboration A324 (1993) 337
Cence, R., see DØ Collaboration A324 (1993) 53
Cennini, P., see Lindblad, Th. A324 (1993) 263
Cennini, P., see Vuillemin, V. A327 (1993) 44
Cennini, P., see Benetti, P. A327 (1993) 173
Cennini, P., see Benetti, P. A327 (1993) 203
Cennini, P., see Benetti, P. A329 (1993) 361
Centro, S., see Benetti, P. A327 (1993) 173
Centro, S., see Benetti, P. A327 (1993) 203
Centro, S., see Benetti, P. A329 (1993) 361
Centro, S., see Bakker, F. A330 (1993) 44
Ceradini, F., see Bacci, C. A324 (1993) 83
Cerrada, M., see Adeva, B. A323 (1992) 109
Cerri, C., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Cerruti, C., see Gobbi, A. A324 (1993) 156
Cervellera, F., see Bollini, D. A328 (1993) 173
Cervellera, F., see Fortuna, G. A328 (1993) 236
Cesareo, R., G.E. Gigante, J.S. Iwanczyk and A. Dabrowski, The use of a mercuric iodide detector for X-ray fluorescence analysis in archaeometry A322 (1992) 583
Cesaroni, F., see Bagnaia, P. A323 (1992) 528
Cesaroni, F., S. Gentile, G. Pascale and Z. Gao, A fast ECL bus memory: dual input memory A323 (1992) 549
Cesaroni, F., see Bagnaia, P. A324 (1993) 101
Cesura, G., see Buttler, W. A326 (1993) 63
Chabaud, V., see Bingefors, N. A328 (1993) 447
Chabert, A., see Bourgarel, M.P. A328 (1993) 321
Chakravarty, S. and J.C. Armitage, A study of the gas gain in carbon dioxide mixtures A321 (1992) 186
Chambron, J., see Scheiber, C. A322 (1992) 604
Chan, C.S., see Etkin, A. A323 (1992) 224
Chan, K.C., see Kaloskamis, N.I. A330 (1993) 447
Chang Jin, see Xu Zizong A322 (1992) 239
Chang, S., see Wells, S.P. A325 (1993) 205
Chang, T., S. Wang, H. Wang and B. Meng, Precise measurement of gamma ray energies with HPGe spectrometer by slithering comparison method A325 (1993) 196
Chang, Y.H., see Adeva, B. A323 (1992) 109
Chao, J.-H. and C. Chung, Low-level neutron monitoring by use of germanium detectors A321 (1992) 535
Chapman, L., see Herrup, D.A. A329 (1993) 470
Chapman, M., see Barber, D.P. A329 (1993) 79
Charity, R.J., see Gobbi, A. A324 (1993) 156
Charlton, D.G., F. Meijers, T.J. Smith and P.S. Wells, The on-line event filter of the OPAL experiment at LEP A325 (1993) 129
Charlton, D.G., see Baines, J.T.M. A325 (1993) 271
CHARM-II Collaboration, D. Geiregat,P. Vilain, G. Wilquet, U. Binder, H. Burkard, W. Flegel, H. Grote, T. Mouthuy, H. Øverås, J. Panman, A. Rozanov, K. Winter, G. Zacek, V. Zacek, R. Beyer, F.W. Büsser, C. Foos, L. Gerland, T. Layda, F. Niebergall, G. Rädel, P. Stähelin, A. Tadsen, T. Voss, D. Favart, G. Grégoire, E. Knoops, V. Lemaître, P. Gorbunov, E. Grigoriev, V. Khovansky, A. Maslennikov, W. Lippich, A. Nathaniel, H. Neumeyer, A. Staude, J. Vogt, M. Caria, C. Cicalò, B. Eckart, A.G. Cocco, A. Ereditato, G. Fiorillo, S. Mennella, V. Palladino, P. Paolucci, P. Strolin, A. Capone, D. De Pedis, E. Di Capua, U. Dore, A. Frenkel-Rambaldi, P.F. Loverre, D. Macina, G. Piredda, R. Santacesaria and D. Zanello, Calibration and performance of the CHARM-II detector A325 (1993) 92
Charpak, G., see Giomataris, Y. A323 (1992) 431
Charpak, G., V. Peskov and F. Sauli, Preliminary results of the study of gaseous detectors with solid photocathodes sensitive in the spectral region from 105 to 300 nm A323 (1992) 445

Charvet, J.L., see Lanzanó, G. ... A323 (1992) 694
Chase, R., see Aubert, B. ... A321 (1992) 467
Chase, R., see Aubert, B. ... A325 (1993) 116
Chase, R., see RD3 Collaboration ... A330 (1993) 405
Chase, R.L., C. de La Taille, S. Rescia and N. Seguin, Transmission line connections between detector and front end electronics in liquid argon calorimetry ... A330 (1993) 228
Chauveau, J., see Bingefors, N. ... A328 (1993) 447
Chaves, H., R.J. Seifert and G. Zech, Kinematic fitting of neutral current events at HERA ... A329 (1993) 243
Chechik, R., see Pansky, A. ... A323 (1992) 294
Chechik, R., see Chen, W. ... A326 (1993) 273
Chechik, R., see Bräuning, H. ... A327 (1993) 369
Chechik, R., see Frumkin, I. ... A329 (1993) 337
Chechik, R., see Pansky, A. ... A330 (1993) 150
Chekulaev, S., see DØ Collaboration ... A324 (1993) 53
Chen, D., see Aprile, E. ... A327 (1993) 25
Chen, D., see Aprile, E. ... A327 (1993) 216
Chen, E., see Chen, M. ... A327 (1993) 187
Chen, J., see DØ Collaboration ... A324 (1993) 53
Chen, J., see Aihara, H. ... A325 (1993) 393
Chen, K., see Anzivino, G. ... A329 (1993) 521
Chen Lejun, see Atiya, M.S. ... A321 (1992) 129
Chen, M., see Ishida, N. ... A327 (1993) 152
Chen, M., see Akimov, D.Yu. ... A327 (1993) 155
Chen, M., M. Mullins, D. Pelly, S. Shotkin, K. Sumorok, D. Akyuz, E. Chen, M.P.J. Gaudreau, A. Bolozdynya, V. Tchernyshev, P. Goritchev, V. Khovansky, A. Koutchenkov, A. Kovalenko, V. Lebedenko, V. Vinogradov, L. Gusev, V. Sheinkman, R.N. Krasnokutsky, R.S. Shuvalov, N.N. Fedyakin, V. Sushkov, M. Akopyan, T. Doke, J. Kikuchi, A. Hitachi, T. Kashiwagi, K. Masuda, E. Shibamura, N. Ishida and S. Sugimoto, Homogeneous scintillating LKr/Xe calorimeters ... A327 (1993) 187
Chen, M., see Akopyan, M. ... A330 (1993) 465
Chen, R., see Anzivino, G. ... A329 (1993) 521
Chen, T., see Rubin, D.L. ... A330 (1993) 12
Chen, T.-Y. and N.-G. Yao, Track fitting in non-Gaussian coordinate errors ... A329 (1993) 479
Chen, W., H. Kraner, Z. Li, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, M. Sampietro, P. Holl, J. Kemmer, U. Faschingbauer, B. Schmitt, A. Worner and J.P. Wurm, Performance of the multianode cylindrical silicon drift detector in the NA45 experiment: first results ... A326 (1993) 273
Cheng, A.Y., see Schlesinger, T.E. ... A322 (1992) 414
Cheng, A.Y., see Burger, A. ... A322 (1992) 427
Cheng, A.Y., see James, R.B. ... A322 (1992) 435
Cheng, M., see Benetti, P. ... A327 (1993) 173
Cheng, M., see Benetti, P. ... A327 (1993) 203
Chepel, V.Yu., see Akimov, D.Yu. ... A327 (1993) 155
Chepigin, V.I., see Andreyev, A.N. ... A330 (1993) 125
Chepurnov, A.S., see Alimov, A.S. ... A326 (1993) 391
Cherny, S., see DØ Collaboration ... A324 (1993) 53
Chernyatin, V., B. Dolgoshein, I. Gavrilenko, M. Potekhin, A. Romaniouk and V. Sosnovtsev, Foam radiators for transition radiation detectors ... A325 (1993) 441
Chesi, E., see French, M. ... A324 (1993) 511
Chesny, Ph., see Ball, J. ... A327 (1993) 308
Cheung, H., see Frabetti, P.L. ... A329 (1993) 62
Chevalley, J.L., see Aubert, B. ... A321 (1992) 467
Chevalley, J.L., see Aubert, B. ... A325 (1993) 116
Chevalley, J.L., see RD3 Collaboration ... A330 (1993) 405
Chevry, M., see Anassontzis, E.G. ... A323 (1992) 351
Chew, M., J.E. O'Meara and W. Tuzel, Gravitational wire sag in nonrigid drift chamber structures ... A323 (1992) 345
Cheze, J.B., see Brandt, A. ... A327 (1993) 412
Chiang, I.-H., see Atiya, M.S. ... A321 (1992) 129
Chiarella, V., see MACRO Collaboration ... A324 (1993) 337
Chiba, M., see Takasaki, F. ... A322 (1992) 211
Chiba, Y., see Terunuma, N. ... A323 (1992) 471
Chida, K., see Tomizawa, M. ... A326 (1993) 399

Chiefari, G., see Adeva, B. ... A323 (1992) 109
Chiera, C., see MACRO Collaboration ... A324 (1993) 337
Chilingarian, A.A., see Danilova, T.V. ... A323 (1992) 104
Chilingarov, A.G., see Aulchenko, V.M. ... A326 (1993) 120
Chinnici, S., see Vacchi, A. ... A326 (1993) 267
Chiostri, V., see Cardarelli, R. ... A324 (1993) 253
Chiou, C.N., see Etkin, A. ... A323 (1992) 224
Chirco, P., see Baldazzi, G. ... A322 (1992) 644
Chirco, P., see Baldazzi, G. ... A326 (1993) 319
Chirikov-Zorin, I., see Budagov, Yu. ... A330 (1993) 458
Chishti, A.A., see Kaloskamis, N.I. ... A330 (1993) 447
Chiurlotto, F., see Fortuna, G. ... A328 (1993) 236
Chiurlotto, F., see Palmieri, V. ... A328 (1993) 280
Chmill, V.B., A.V. Chuntonov, V.A. Sergeev, A.V. Smol, Yu.P. Tsyupa, A.P. Vorobiev, A.I. Gordienko, S.S. Khludkov, O.B. Koretskaya, A.I. Potapov and O.P. Tolbanov, An exploration of GaAs structures for solid-state detectors ... A326 (1993) 310
Choi, W.C., see Cairns, E.B. ... A321 (1992) 109
Chollet, J.C., see Aubert, B. ... A321 (1992) 467
Chollet, J.C., see Aubert, B. ... A325 (1993) 116
Chollet, J.C., see RD3 Collaboration ... A330 (1993) 405
Chopra, S., see Kanjilal, D. ... A328 (1993) 97
Chou, H.P. and C.Y. Horng, Integral test of a boron-10 loaded liquid scintillator for neutron detection ... A328 (1993) 522
Chrien, R., see Pile, P.H. ... A321 (1992) 48
Christenson, J.H., see DØ Collaboration ... A324 (1993) 53
Christenson, J.H., see Aihara, H. ... A325 (1993) 393
Christiansen, J. and C. Ljuslin, An integrated high performance Fastbus slave interface ... A321 (1992) 336
Christo, S., see Barbosa, F.J. ... A323 (1992) 191
Christoph, M., see Albee, M. ... A325 (1993) 429
Christophel, E., see Anassontzis, E.G. ... A323 (1992) 351
Chubarov, O.V., see Alimov, A.S. ... A326 (1993) 391
Chumakov, A.A., see Antipov, A.V. ... A327 (1993) 346
Chung, C., see Chao, J.-H. ... A321 (1992) 535
Chuntonov, A.V., see Chmill, V.B. ... A326 (1993) 310
Chupp, E.L., see Dunphy, P.P. ... A330 (1993) 199
Churakov, D.L., see Akimov, D.Yu. ... A327 (1993) 155
Ciampolini, P., see Baccarani, G. ... A326 (1993) 253
Ciapetti, G., see Bacci, C. ... A324 (1993) 83
Ciavola, G., L. Calabretta, G. Cuttone, S. Gammino, G. Raia, D. Rifuggiato, A. Rovelli and V. Scuderi, Recent improvements of the tandem facility at LNS ... A328 (1993) 64
Ciavola, G., Present status and perspectives at LNS ... A328 (1993) 255
Cicalò, C., see CHARM-II Collaboration ... A325 (1993) 92
Cierjacks, S., see Crystal Barrel Collaboration ... A321 (1992) 69
Cieślak, M., see Senger, P. ... A327 (1993) 393
Cihangir, S., see Demortier, L. ... A324 (1993) 77
Cihangir, S., see Frabetti, P.L. ... A329 (1993) 62
Cinabro, D., see Alexander, J.P. ... A326 (1993) 243
Cindolo, F., see Beaumont, S.P. ... A321 (1992) 172
Cindolo, F., see Beaumont, S.P. ... A322 (1992) 472
Cindolo, F., see Beaumont, S.P. ... A326 (1993) 313
Cindro, N., see Gobbi, A. ... A324 (1993) 156
Cindro, V., H. Kolanoski, A. Lange, D. Lauterjung, F. Müller, T. Siegmund, W. Söder and H. Thurn, Measurement of spatial resolutions and drift velocities in a drift-chamber filled with a helium–DME mixture ... A323 (1992) 314
Cindro, V., see Starič, M. ... A323 (1992) 457
Cinquini, L., see Frabetti, P.L. ... A329 (1993) 62
Ciocci, A., see Batignani, G. ... A326 (1993) 183
Cirignano, L., see Zhang, J. ... A322 (1992) 499
Cirillo, M., see Leoni, R. ... A322 (1992) 258
Cittolin, S., see Benetti, P. ... A327 (1993) 173
Cittolin, S., see Benetti, P. ... A327 (1993) 203
Cittolin, S., see Benetti, P. ... A329 (1993) 361

Claes, D., see Frabetti, P.L. A329 (1993) 62
Claeys, C., see Simoen, E. A327 (1993) 523
Clark, A.G., see Munday, D. A326 (1993) 100
Clark, A.G., see Anghinolfi, F. A326 (1993) 365
Clark, A.R., see DØ Collaboration A324 (1993) 53
Clarke, D., see Bailey, J.M. A323 (1992) 184
Clarke, D., see Grässler, H. A323 (1992) 401
Claus, R., see Becker-Szendy, R. A324 (1993) 363
Claus, R., see Axen, D. A328 (1993) 472
Clausnitzer, G., see Naqvi, A.A. A324 (1993) 429
Claussen, N., see Fretwurst, E. A326 (1993) 357
Claussen, N., see Anghinolfi, F. A326 (1993) 365
Clayton, E., see Braem, A. A326 (1993) 325
Clemens, J.C., see Basa, S. A330 (1993) 93
Clement, J.M., see Etkin, A. A323 (1992) 224
Clerc, G., see Fougeron, C. A328 (1993) 279
Clewing, G., see Berger, F. A321 (1992) 152
Clifft, B.E., see Bollinger, L.M. A328 (1993) 221
Cline, D., see Benetti, P. A327 (1993) 173
Cline, D., see Benetti, P. A327 (1993) 203
Cline, D., see Benetti, P. A329 (1993) 361
Cline, D.B., Physics studies with ICARUS and a hybrid ionization and scintillation fiber detector A327 (1993) 178
Cloth, P., see EDDA Collaboration A329 (1993) 151
Cobal, M., see Bisello, D. A325 (1993) 446
Coban, A., see Naqvi, A.A. A324 (1993) 223
Coban, A., see Naqvi, A.A. A325 (1993) 574
Cobis, A., see MACRO Collaboration A324 (1993) 337
Cocco, A.G., see CHARM-II Collaboration A325 (1993) 92
Cochran, J., see DØ Collaboration A324 (1993) 53
Cockerill, D., see Braem, A. A326 (1993) 325
Coffin, J.P., see Gobbi, A. A324 (1993) 156
Colas, J., see Aubert, B. A321 (1992) 467
Colas, J., see Aubert, B. A325 (1993) 116
Colas, J., see RD3 Collaboration A330 (1993) 405
Colautti, P., V. Conte, G. Talpo, G. Tornielli and M. Bouchefer, A method to investigate the working characteristics of new microdosimetric detectors which use low gas pressures A321 (1992) 392
Coldwell, R.L., see Milosevich, Z. A321 (1992) 254
Coldwell, R.L., see Aspacher, B. A330 (1993) 243
Colino, N., see Adeva, B. A323 (1992) 109
Colledani, C., see Brenner, R. A326 (1993) 189
Colledani, C., see Brenner, R. A326 (1993) 198
Colocci, M., see Beaumont, S.P. A321 (1992) 172
Colocci, M., see Beaumont, S.P. A322 (1992) 472
Colocci, M., see Beaumont, S.P. A326 (1993) 313
Colonna, N., G.J. Wozniak, A. Veeck, W. Skulski, G.W. Goth, L. Manduci, P.M. Milazzo and P.F. Mastinu, Calibration of the response function of CsI(Tl) scintillators to intermediate-energy heavy ions A321 (1992) 529
Colrain, P., see EHIT Collaboration A323 (1992) 407
Colton, E., see Neuffer, D. A321 (1992) 1
Combet, M., see Ball, J. A327 (1993) 308
Combley, F.H., see Beaumont, S.P. A321 (1992) 172
Combley, F.H., see Beaumont, S.P. A322 (1992) 472
Combley, F.H., see Beaumont, S.P. A326 (1993) 313
Commerçon, M., see Basa, S. A330 (1993) 93
Comtat, C., see Pagès, J.L. A321 (1992) 342
Conde, C.A.N., see Dos Santos, J.M.F. A321 (1992) 238
Conde, C.A.N., see dos Santos, J.M.F. A324 (1993) 611
Cong, S., see Anzivino, G. A329 (1993) 521
Coniglione, R., see Del Zoppo, A. A327 (1993) 363
Coniglione, R., see Bellia, G. A329 (1993) 173
Connolly, R.C., see Yuan, V.W. A329 (1993) 381
Conte, V., see Colautti, P. A321 (1992) 392

Conti, E., see Bressi, G. A327 (1993) 163
Conti, M., A. Del Guerra, D. Mazzei, P. Russo, W. Bencivelli, E. Bertolucci, A. Messineo, V. Rosso, A. Stefanini, U. Bottigli, P. Randaccio and W.R. Nelson, Use of the EGS4 Monte Carlo code to evaluate the response of HgI_2 and CdTe detectors for photons in the diagnostic energy range A322 (1992) 591
Contin, A., see Bencheikh, B. A323 (1992) 398
Contran, T., see Pengo, R. A328 (1993) 242
Cook, V., see Axen, D. A328 (1993) 472
Cooke, C.M., G. Frick and M. Roumie, Transients in the Vivitron A328 (1993) 80
Cooper, M.D., see Stanislaus, S. A323 (1992) 198
Cooper, P.S., see Pommot Maia, M. A326 (1993) 496
Cooper, W.E., see DØ Collaboration A324 (1993) 53
Cooper, W.E., see Aihara, H. A325 (1993) 393
Coppola, R., see Albertini, G. A321 (1992) 381
Corato, M.D., see Frabetti, P.L. A329 (1993) 62
Cormack, R., see MACRO Collaboration A324 (1993) 337
Corona, A., see MACRO Collaboration A324 (1993) 337
Corriveau, F., The calculations of the magnetic field and forces in the ZEUS detector at HERA A326 (1993) 470
Corsini, R., see Barletta, W.A. A329 (1993) 348
Cortesi, A., see Iori, I. A325 (1993) 458
Cortez, B., see Becker-Szendy, R. A324 (1993) 363
Corvisiero, P., see Zucchiatti, A. A321 (1992) 219
Corvisiero, P., see Anghinolfi, M. A324 (1993) 191
Coscia, G., see Anghinolfi, M. A324 (1993) 191
Cosson, D., see MACRO Collaboration A324 (1993) 337
Costa, G., see Aubert, B. A321 (1992) 467
Costa, G., see Aubert, B. A325 (1993) 116
Costa, G., see RD3 Collaboration A330 (1993) 405
Costales, J.B., H.C. Britt, M.N. Namboodiri, T.C. Sangster, J.H. Thomas and H.E. Wegner, A phoswich array for relativistic heavy ion collisions A330 (1993) 183
Cosulich, E. and F. Gatti, A digital processor for nuclear spectroscopy with cryogenic detectors A321 (1992) 211
Couchot, F., see Brenner, R. A326 (1993) 189
Couchot, F., see Bingefors, N. A328 (1993) 447
Coulter, K., see Barber, D.P. A329 (1993) 79
Court, G.R., D.W. Gifford, P. Harrison, W.G. Heyes and M.A. Houlden, A high precision Q-meter for the measurement of proton polarization in polarised targets A324 (1993) 433
Cousins, C.S.G., L. Gerward, D. Laundy, R.E. Meads, J. Staun Olsen and B.J. Sheldon, Pile-up phenomena in solid-state detection. Effects due to synchrotron sources A324 (1993) 598
Coutu, S., see MACRO Collaboration A324 (1993) 337
Couyoumtzelis, C., see Munday, D. A326 (1993) 100
Cova, S., see Lacaita, A. A326 (1993) 290
Coward, D., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Cowen, D., see Alexander, J.P. A326 (1993) 243
Cowley, A.A., see Zucchiatti, A. A321 (1992) 219
Cox, P.T., see Vacchi, A. A326 (1993) 267
Coyle, P., see Va'vra, J. A324 (1993) 113
Coyle, P., see Batignani, G. A326 (1993) 183
CPLEAR Collaboration, R. Adler, G. Backenstoss, P. Bloch, D. Damianoglou, P. Dechelette, M. Dröge, C. Felder, W. Fetscher, M. Fidecaro, D. Garreta, H.-J. Gerber, P. Gumplinger, H.U. Johner, J. Kern, P. Kokkas, U. Mall, F. Nanni, P. Pavlopoulos, M. Renevey, C. Santoni, A. Schopper, L. Tauscher, H. Wendler, B. Pagels and C. Witzig, Design and test of a prototype gas-sampling electromagnetic calorimeter of high granularity for the CPLEAR experiment A321 (1992) 458
Cranfield, R., see Baines, J.T.M. A325 (1993) 271
Cravero, A., see Aubert, B. A321 (1992) 467
Cravero, A., see Aubert, B. A325 (1993) 116
Cravero, A., see RD3 Collaboration A330 (1993) 405
Crawford, H., C. Garabatos, L. Greiner and C.R. Gruhn, Temporal studies of a MWPC at high pressures ... A323 (1992) 424
Crawford, H.J., see Hasebe, N. A325 (1993) 335
Crawford, H.J., Particle identification in a liquid argon calorimeter A327 (1993) 199
Crawford, H.J., see Ahmad, S. A330 (1993) 416
Cremaldi, L., see Beretvas, A. A329 (1993) 50

Cremonesi, O., see Bellotti, E. A323 (1992) 125
Cresswell, J.V., see Atiya, M.S. A321 (1992) 129
Cretsinger, C., see DØ Collaboration A324 (1993) 53
Cretsinger, C., see Aihara, H. A325 (1993) 393
Croitoru, N., see Fretwurst, E. A326 (1993) 357
Crone, G., see Baines, J.T.M. A325 (1993) 271
Cross, E., see James, K. A322 (1992) 390
Cross, G., see Axen, D. A328 (1993) 472
Crotty, I., J.L. Valverde, G. Laurenti, M.C.S. Williams and A. Zichichi, Investigation of resistive parallel plate chambers A329 (1993) 133
Crouau, M., see Gobbi, A. A324 (1993) 156
Crout, N.M.J., see Koohi-Fayeghi, R. A329 (1993) 269
Crowe, K.M., see Crystal Barrel Collaboration A321 (1992) 69
Crystal Barrel Collaboration, E. Aker, C. Amsler, I. Augustin, C.A. Baker, B.M. Barnett, C.J. Batty, R. Beckmann, P. Birien, J. Bistirlich, P. Blüm, R. Bossingham, H. Bossy, K. Braune, D.V. Bugg, M. Burchell, T. Case, S. Cierjacks, K.M. Crowe, K. Dederichs, M. Doser, W. Dünnweber, H. Emerich, D. Engelhardt, M.A. Faessler, C. Felix, G. Folger, J. Friedrich, R. Hackmann, R. Haddock, H. Hammer, F. Heinsius, N.P. Hessey, P. Illinger, D. Jamnik, H. Kalinowsky, B. Kämmle, T. Kiel, E. Klempt, H. Koch, C. Kolo, K. Königsmann, F. Krennrich, M. Kunze, R. Landua, J. Lüdemann, H. Matthaey, M. Merkel, J.P. Merlo, C.A. Meyer, U. Meyer-Berkhout, L. Montanet, A. Noble, K. Peters, W. Rohrbach, A.H. Sanjari, E. Schäfer, B. Schmid, W. Schott, K. Sidiropoulos, S. Spanier, A. Staude, Chr. Strassburger, U. Strohbusch, M. Suffert, C. Sutton, D. Urner, C. Völcker, D. Walther, S. Walther, Ch. Weddigen, U. Wiedner, N. Winter, J. Zoll and C. Zupancic, The Crystal Barrel spectrometer at LEAR A321 (1992) 69
Cuello, G.J., P.J. Prado and J. Dawidowski, Dead-time effects in time-of-flight measurements A325 (1993) 309
Cuevas, C., see Barbosa, F.J. A323 (1992) 191
Cui, W., see McCammon, D. A326 (1993) 154
Cui, X., see Anzivino, G. A329 (1993) 521
Cullen-Vidal, D., see DØ Collaboration A324 (1993) 53
Culy, S., see Frabetti, P.L. A329 (1993) 62
Cumalat, J., see Frabetti, P.L. A329 (1993) 62
Cummings, A., see Shutt, T. A326 (1993) 166
Cundy, D., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Cunningham, J.D., see Frabetti, P.L. A329 (1993) 62
Cunsolo, A., see Lanzanó, G. A323 (1992) 694
Cunsolo, A., see Iori, I. A325 (1993) 458
Currier, R., see Frabetti, P.L. A329 (1993) 62
Cushman, P., see Mélèse, P. A322 (1992) 189
Cutchin, J., see Harihar, P. A322 (1992) 40
Cutler, H., see Axen, D. A328 (1993) 472
Cuttone, G., see Ciavola, G. A328 (1993) 64
Cutts, D., see DØ Collaboration A324 (1993) 53
Cutts, D., see Aihara, H. A325 (1993) 393
Cuzin, M., CdTe in photoconductive applications. Fast detector for metrology and X-ray imaging A322 (1992) 341
Cuzin, M., see Verger, L. A322 (1992) 357
Cuzin, M., see Mathy, F. A322 (1992) 615
Cuzin, M., see Glasser, F. A322 (1992) 619
Czapek, G., see Berger, C. A330 (1993) 285
Czermak, A., see Brenner, R. A326 (1993) 189
Czermak, A., see Brenner, R. A326 (1993) 198
Czock, K.-H., see Arlt, R. A322 (1992) 575

DØ Collaboration, S. Abachi, S. Ahn, M. Abolins, H. Aihara, N. Amos, Y. Antipov, S.H. Aronson, R. Astur, R. Avellaneda, R.E. Avery, A.R. Baden, B. Baldin, J. Bantly, E. Barasch, J.F. Bartlett, K. Bazizi, T. Behnke, V. Bezzubov, P. Bhat, G.C. Blazey, S. Blessing, D. Bogert, F. Borcherding, J. Borders, N. Bozko, R. Brock, A.D. Bross, D. Buchholz, N. Bulgakov, V. Burtovoy, J.M. Butler, R. Cence, S. Chekulaev, S. Cherny, J. Chen, J.H. Christenson, A.R. Clark, J. Cochran, W.E. Cooper, C. Cretsinger, D. Cullen-Vidal, D. Cutts, O.I. Dahl, A. Davidenko, K. De, M. Demarteau, D. Denisov, S. Denisov, W. Dharmaratna, H.T. Diehl, M. Diesburg, R. Dixon, P. Draper, Y. Ducros, G. Dugan, S. Durston, A. Dyakonenkov, D. Eartly, D. Edmunds, A. Efimov, J. Ellison, R. Engelmann, O. Eroshin, V. Evdokimov, S. Fahey, M. Fatyga, J. Featherly, S. Feher, T. Ferbel, D. Finley, G. Finocchiaro, H.E. Fisk, G.E. Forden, M. Fortner, P. Franzini,

S. Fuess, C.S. Gao, T. Geld, K. Genser, B.G. Gibbard, V. Glebov, J.-F. Glicenstein, B. Gobbi, M. Goforth, M.L. Good, H.A. Gordon, N. Graf, P.D. Grannis, D.R. Green, J. Green, H. Greenlee, P. Grudberg, J.A. Guida, J.M. Guida, W. Guryn, N.J. Hadley, H. Haggerty, S. Hagopian, R. Hall, D. Hedin, T. Heuring, R. Hirosky, J. Hoftun, J.F. Hubbard, T. Huehn, R. Huson, S. Igarashi, A.S. Ito, M.E. Johnson, A.M. Jonckheere, K. Johns, H. Jostlein, W. Karsh, S. Kahn, A. Kernan, L. Kerth, A. Kholodenko, A. Kirunin, E. Kistenev, A. Klatchko, B. Klima, B. Klochkov, C. Klopfenstein, V. Klyukhin, V. Kochetkov, W. Kononenko, J. Kotcher, I. Kotov, J. Kourlas, E. Kozlovsky, S. Kunori, S. Krzywdzinzski, R. Lanou, P. Laurens, J. Lee-Franzini, R. Li, Q.Z. Li-Demarteau, J.T. Linnemann, S.L. Linn, R. Lipton, F. Lobkowicz, S.C. Loken, S. Lökös, P. Lucas, R.J. Madaras, R. Madden, E. Malamud, Ph. Mangeot, B. Mansoulié, I. Manning, H.-S. Mao, T. Marshall, P.S. Martin, H.J. Martin, M. Marx, A. Mayorov, R. McCarthy, J. McKinley, X.C. Meng, K.W. Merritt, A. Milder, A. Mincer, P. Mooney, R. Morphis, M. Mudan, C.T. Murphy, F. Nang, V.S. Narasimham, H.A. Neal, P. Nemethy, D. Nešić, K. Ng, D. Norman, L. Oesch, E. Oltman, N. Oshima, D.L. Owen, D.P. Owen, R. Partridge, M. Paterno, A. Peryshkin, M. Peters, B. Pi, H. Piekarz, Y. Pischalnikov, D. Pizzuto, V. Platonov, A. Pluquet, V. Podstavkov, B.G. Pope, H. Prosper, S. Protopopescu, R. Raja, S. Rajagopalan, L. Rasmussen, A.L. Read, T.M.-L. Ren, S. Repond, V. Riadovikov, M. Rijssenbeek, N.A. Roe, P. Rubinov, R. Ruland, J. Rutherfoord, R.D. Schamberger, J. Sculli, W. Selove, A. Shkurenkov, M. Shupe, W. Smart, D. Smith, R.P. Smith, G.R. Snow, A.L. Spadafora, R. Stephens, M.L. Stevenson, C. Stewart, F. Stocker, D. Stoyanova, K. Streets, M. Strovink, A. Suhanov, A. Taketani, M. Tartaglia, J. Teiger, G. Theodosiou, J. Thompson, S. Tisserant, T.G. Trippe, P.M. Tuts, R. Van Berg, A. Vorobiev, H.D. Wahl, H. Weerts, W.A. Wenzel, A.P. White, J.T. White, S. Willis, J.A. Wightman, S.J. Wimpenny, Z. Wolf, J. Womersley, Y. Xia, P. Xie, H. Xu, J. Xu, R. Yamada, P. Yamin, J. Yang, M.-J. Yang, C. Yoshikawa, S. Youssef, J. Yu, R. Zeller, Y.H. Zhou, Q. Zhu, D. Zieminska, A. Zieminski, A. Zotov and A. Zylberstejn, Beam tests of the DØ uranium liquid argon end calorimeters A324 (1993) 53

Da Silva, W., see Bingefors, N. A328 (1993) 447

Da Via, C., R. DeSalvo, M. Lundin, M.R. Mondardini, J. Orear, T. Shimizu and O. Shinji, A new detector for low P_t physics A323 (1992) 419

Dabrowski, A., see Cesareo, R. A322 (1992) 583

Dabrowski, W. and J. DeWitt, Silicon strip front-end using a low-noise analog CMOS process A326 (1993) 82

D'Agostino, M., see Iori, I. A325 (1993) 458

Dahl, O.I., see DØ Collaboration A324 (1993) 53

Dahl, O.I., see Aihara, H. A325 (1993) 393

Dahmen, M., see Roderburg, E. A323 (1992) 140

Dahmen, M., R. Bröders, G. Decker, K. Kilian, A. Kurtenbach, Ch. Lippert, W. Oelert, E. Roderburg, G. Sehl, O. Steinkamp, R. Stratmann, S. Walsh and M. Ziółkowski, The use of drift chamber signals as a fast trigger A323 (1992) 542

Daigo, M., see Yamada, Y. A330 (1993) 64

Dainelli, A., see Fortuna, G. A328 (1993) 236

Dainese, B., see Benetti, P. A327 (1993) 173

Dainese, B., see Benetti, P. A327 (1993) 203

Dainese, N., see Fortuna, G. A328 (1993) 236

Dainton, J.B., see Bailey, J.M. A323 (1992) 184

Dainton, J.B., see Grässler, H. A323 (1992) 401

Dainton, J.B., see EHIT Collaboration A323 (1992) 407

Dal Fiume, D., see Frontera, F. A324 (1993) 589

Daley, K., see Zhang, J. A322 (1992) 499

Daley, K., see Olschner, F. A322 (1992) 504

D'Almagne, B., see Anassontzis, E.G. A323 (1992) 351

D'Almagne, B., see Bingefors, N. A328 (1993) 447

Dam, M., see Bugge, L. A327 (1993) 296

D'Ambrosio, C., T. Gys, H. Leutz, U. Gensch and S. Schlenstedt, Optimization of central particle tracking at future hadron colliders A322 (1992) 20

D'Ambrosio, C., H. Leutz, T. Shimizu and O. Shinji, Imaging performance obtained with fused bundles of scintillating fibres A325 (1993) 161

Damianoglou, D., see CPLEAR Collaboration A321 (1992) 458

Danby, G., see Pile, P.H. A321 (1992) 48

Danesh, I., Computer aided design of a neutron detector for neutrino measurements A321 (1992) 545

D'Angelo, A., see Zucchiatti, A. A321 (1992) 219

D'Angelo, P., see Frabetti, P.L. A329 (1993) 62

Daniel, G., see Albee, M. A325 (1993) 429

Daniel, H., see Kim, Y.S. A329 (1993) 403

Danilov, V.A., see Sustavov, A.F. A323 (1992) 157

Danilova, E.A., see Danilova, T.V. A323 (1992) 104
Danilova, T.V., E.A. Danilova, A.B. Ezlikin, N.M. Nikolskaia, S.J. Nikolsky, V.A. Romachin, S.A. Slavatinsky, B.V. Subbotin, E.J. Tukich, K.M. Avakian, V.V. Avakian, J.C. Avakian, A.C. Amatuni, T.L. Asatiani, A.A. Chilingarian, A.P. Goviaka, V.A. Ivanov, E.A. Mamidjanian, R.M. Martirosov, S.G. Matinian, E.A. Mnatcakanian and S.V. Ter-Antonian, The ANI experiment: on the investigation of interactions from hadrons and nuclei in the energy range 10^3–10^5 TeV A323 (1992) 104
Danner, R., see Bräuninger, H. A326 (1993) 126
D'Antone, I., see MACRO Collaboration A324 (1993) 337
D'Antone, I., see Affatato, S. A325 (1993) 417
Daoudi, M., see Albee, M. A325 (1993) 429
D'Aquino, F., see MINI Collaboration A324 (1993) 330
Das, B., see Nath, D. A330 (1993) 293
DaSilva, A., see Shutt, T. A326 (1993) 166
Daskalakis, G., A.D. Panagiotou and G.S. Ioannidis, A novel grid geometry of long detector modules for a time-of-flight system A328 (1993) 495
Datta, S.K., see Kanjilal, D. A328 (1993) 97
Dattoli, G., C. Mari, L. Mezi and A. Torre, A new derivation of the generalized Courant–Snyder theory with coupling A321 (1992) 447
Daudon, F., see Gobbi, A. A324 (1993) 156
Daumiller, K., see Doll, P. A323 (1992) 327
Dauncey, P., see Bingefors, N. A328 (1993) 447
D'Auria, G., A. Fabris, A. Massarotti, C. Pasotti, C. Rossi and M. Svandrlik, A nearly monochromatic cavity for high current storage rings A329 (1993) 393
D'Auria, S., see Beaumont, S.P. A321 (1992) 172
D'Auria, S., see Beaumont, S.P. A322 (1992) 472
D'Auria, S., see Beaumont, S.P. A326 (1993) 313
Davenport, F., see Frabetti, P.L. A329 (1993) 62
Davenport, M., see Anassontzis, E.G. A323 (1992) 351
Davidenko, A., see DØ Collaboration A324 (1993) 53
Davies, R., see Abbott, B. A327 (1993) 319
Davinson, T., see Davis, N.J. A330 (1993) 165
Davis, C.A., see Sum, V. A326 (1993) 489
Davis, N.J., A.C. Shotter, E.W. Macdonald, T. Davinson, K. Livingston, P.J. Sellin, D. Branford, R.D. Page and P.J. Woods, A new technique for spin alignment measurement and application to the study of resonances in ^{12}C on ^{12}C collisions A330 (1993) 165
Davis, R., see Axen, D. A328 (1993) 472
Davison, N.E., see Ramsay, W.D. A327 (1993) 265
Dawidowski, J., see Cuello, G.J. A325 (1993) 309
Day, A., see Weisenberger, A. A327 (1993) 500
Dayras, R., see Lanzanó, G. A323 (1992) 694
De, K., see DØ Collaboration A324 (1993) 53
De, K., see Aihara, H. A325 (1993) 393
De Barbaro, P., see Hauser, J. A321 (1992) 497
De Barbaro, P., see Beretvas, A. A329 (1993) 50
De Castro, S., see Affatato, S. A325 (1993) 417
De Cataldo, G., see Bellotti, R. A323 (1992) 71
De Cataldo, G., see MACRO Collaboration A324 (1993) 337
De Goeij, J.J.M., see Overwater, R.M.W. A324 (1993) 209
De Haas, A.P., see Bootsma, T.M.V. A324 (1993) 399
De Haas, A.P., see van Nieuwenhuizen, G.J. A325 (1993) 516
De Haas, J.T.M., see Dorenbos, P. A325 (1993) 367
De Jong, S.J., see Allport, P.P. A324 (1993) 34
De Jongh, F., see Axen, D. A328 (1993) 472
De Koning, N., see Anassontzis, E.G. A323 (1992) 351
De la Taille, C., see Aubert, B. A321 (1992) 467
De la Taille, C., see Aubert, B. A325 (1993) 116
De La Taille, C., see Chase, R.L. A330 (1993) 228
De La Taille, C., see RD3 Collaboration A330 (1993) 405
De Laat, C.T.A.M., see Bootsma, T.M.V. A324 (1993) 399
De Lazzari, M., see Fortuna, G. A328 (1993) 236
De Lesquen, A., see Ball, J. A327 (1993) 308

De Lima, E.P., see Fraga, M.M. ... A323 (1992) 284
De los Heros, C., see Chen, W. ... A326 (1993) 273
De Mali, M., see Ball, J. ... A327 (1993) 308
De Marzo, C., see Bellotti, R. ... A323 (1992) 71
De Marzo, C., see MACRO Collaboration ... A324 (1993) 337
De Mello Neto, J.R.T., see Amato, S. ... A324 (1993) 535
De Miranda, J., see Amato, S. ... A324 (1993) 535
De Pedis, D., see CHARM-II Collaboration ... A325 (1993) 92
De Salvo, L., see Barletta, W.A. ... A329 (1993) 348
De Sanctis, E., see Zucchiatti, A. ... A321 (1992) 219
De Sanctis, E., see Anghinolfi, M. ... A324 (1993) 191
De Seriis, N., see MACRO Collaboration ... A324 (1993) 337
De Smet, F., see Van Hoorebeeke, L. ... A321 (1992) 230
De Vecchi, C., see Benetti, P. ... A327 (1993) 173
De Vecchi, C., see Benetti, P. ... A327 (1993) 203
De Vecchi, C., see Benetti, P. ... A329 (1993) 361
Deb, M.J., see Nath, D. ... A330 (1993) 293
Debeer, M., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Debu, P., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Dechelette, P., see CPLEAR Collaboration ... A321 (1992) 458
Decker, G., see Roderburg, E. ... A323 (1992) 140
Decker, G., see Dahmen, M. ... A323 (1992) 542
Dederichs, K., see Crystal Barrel Collaboration ... A321 (1992) 69
DeGennaro, S., see Beaumont, S.P. ... A326 (1993) 313
Deiters, K., A. Donat, W. Friebel, R. Heller, S. Kirsch, R. Krankenhagen, W. Lange, R. Leiste, W. Lohmann, W. Lustermann, Y. Peng, U. Röser, F. Tonisch, G. Trowitzsch, H. Vogt and M. Wilhelmi, The construction and performance of a large cylindrical wire chamber with cathode readout ... A323 (1992) 162
Deitinghoff, H., see Grieser, M. ... A328 (1993) 160
Del Bianco, W., see Vogt, J.M. ... A324 (1993) 198
Del Guerra, A., see Conti, M. ... A322 (1992) 591
Del Moral, R., see Blank B. ... A330 (1993) 83
Del Papa, C., see Beaumont, S.P. ... A321 (1992) 172
Del Papa, C., see Beaumont, S.P. ... A322 (1992) 472
Del Papa, D., see Beaumont, S.P. ... A326 (1993) 313
Del Sordo, S., see MINI Collaboration ... A324 (1993) 330
Del Zoppo, A., C. Agodi, R. Alba, G. Bellia, R. Coniglione, P. Finocchiaro, C. Maiolino, E. Migneco, A. Peghaire, P. Piattelli and P. Sapienza, Response of the BaF_2 scintillator to light charged particles ... A327 (1993) 363
Del Zoppo, A., see Bellia, G. ... A329 (1993) 173
Delbar, Th., see Benjelloun, M. ... A321 (1992) 521
Delheij, P.P.J., see Triple Collaboration ... A326 (1993) 549
Delheij, P.P.J., see Barber, D.P. ... A329 (1993) 79
Della Negra, M., see Bakker, F. ... A330 (1993) 44
Della-Negra, S., see Attal, P. ... A328 (1993) 293
Dellera, L., see Iori, I. ... A325 (1993) 458
Dell'Orso, R., see Batignani, G. ... A326 (1993) 183
Delorme, S., see Anassontzis, E.G. ... A323 (1992) 351
Demarteau, M., see DØ Collaboration ... A324 (1993) 53
Demarteau, M., see Aihara, H. ... A325 (1993) 393
Demian, A., see Iacob, V.E. ... A325 (1993) 373
Demierre, Ph., see Ball, J. ... A327 (1993) 308
Demortier, L., N.D. Giokaris, K. Goulianos, D. Khazins, D.F. anderson, S. Cihangir, A. Para, J. Zimmerman, G. Fanourakis, J.A. Budagov, A.D. Volkov and M. Morgan, Beam test of a parallel-plate calorimeter with high pressure gas as active medium ... A324 (1993) 77
Denat, A., see Bonifaci, N. ... A327 (1993) 78
Denecke, B., see Solé, V.A. ... A329 (1993) 418
Deng Yusheng, Lai Weiquan, Zhao Dezhong, Sun Guangkui, Feng Shuqing and Zhang Jidong, The laddertron for a 6 MV tandem ... A328 (1993) 101
Denisov, D., see DØ Collaboration ... A324 (1993) 53
Denisov, S., see DØ Collaboration ... A324 (1993) 53

Denni, U., see MACRO Collaboration A324 (1993) 337
Dennis, L.C., see Ehlmann, B.K. A325 (1993) 294
Denton, L., see Bingefors, N. A328 (1993) 447
Derbyshire, G.E., see Bras, W. A326 (1993) 587
Derenchuk, V., see Pollock, R.E. A330 (1993) 380
Derenzo, S.E., see Valentine, J.D. A325 (1993) 147
Desai, D.G., see Sabharwal, S.C. A329 (1993) 179
DeSalvo, R., see Bencheikh, B. A323 (1992) 398
DeSalvo, R., see Da Via, C. A323 (1992) 419
Detemple, P., K.H. Althoff, G. Anton, J. Arends, A. Bock, M. Breuer, K. Büchler, G. Nöldeke, M. Serwazi, W. Schneider, D. Urban and B. Zucht, The photon tagging system of the PHOENICS-experiment at ELSA A321 (1992) 479
Deutscher, M., see Mende, G. A326 (1993) 16
Devin, J.F., see Gobbi, A. A324 (1993) 156
DeVincenzi, M., see MACRO Collaboration A324 (1993) 337
Devitsin, E.G., see Antipov, A.V. A327 (1993) 346
DeVol, T.A., D.K. Wehe and G.F. Knoll, Evaluation of p-terphenyl and 2,2″ dimethyl-p-terphenyl as wavelength shifters for barium fluoride A327 (1993) 354
Dewald, A., see Altmann, J. A321 (1992) 59
Dewald, A. and L. Steinert, Performance of the Cologne FN tandem with a combination of Dowlish and HVEC tubes A328 (1993) 104
Dewald, A., see Böhm, G. A329 (1993) 248
DeWitt, J., see Dabrowski, W. A326 (1993) 82
DeZarn, W., see v. Przewoski, B. A328 (1993) 435
Dharmaratna, W., see DØ Collaboration A324 (1993) 53
Dharmaratna, W., see Aihara, H. A325 (1993) 393
Di Capua, E., see CHARM-II Collaboration A325 (1993) 92
Di Ciaccio, A., see Bacci, C. A324 (1993) 83
Di Ciaccio, A., see Bakker, F. A330 (1993) 44
Di Cocco, G., see Caroli, E. A322 (1992) 639
Di Cocco, G., see Baldazzi, G. A322 (1992) 644
Di Cosimo, G., see Asmone, A. A326 (1993) 477
Di Credico, A., see MACRO Collaboration A324 (1993) 337
Di Domenico, A., see Asmone, A. A326 (1993) 477
Di Mauro, A., see Baechler, J. A324 (1993) 449
Di Pietro, G., see Iori, I. A325 (1993) 458
Di Stante, L., see Cardarelli, R. A324 (1993) 253
Diaferia, R., see Frabetti, P.L. A329 (1993) 62
Diambrini Palazzi, G., see Asmone, A. A326 (1993) 477
Dias, J., see Van Hoorebeeke, L. A321 (1992) 230
Dias, J., see Van Hoorebeke, L. A326 (1993) 608
Dias, M.S., Improvements in the response calculation of the dual thin scintillator neutron detector A321 (1992) 317
Dieckmann, A., see Biebel, O. A323 (1992) 169
Diehl, E., see Levin, D.S. A322 (1992) 101
Diehl, E., see MACRO Collaboration A324 (1993) 337
Diehl, H.T., see DØ Collaboration A324 (1993) 53
Diesburg, M., see DØ Collaboration A324 (1993) 53
Dietl, H., see Batignani, G. A326 (1993) 183
Diggelmann, U., see Berger, C. A330 (1993) 285
Dijkema, J., see Bakker, F. A330 (1993) 44
Dijkstra, H., see Bingefors, N. A328 (1993) 447
Ding, H., see Anzivino, G. A329 (1993) 521
Dion, G.M., see Alexandreas, D.E. A328 (1993) 570
Diotallevi, R., see MACRO Collaboration A324 (1993) 337
Dittner, P.F., see Jones, N.L. A328 (1993) 191
Dixon, R., see DØ Collaboration A324 (1993) 53
Dixon, R., see Aihara, H. A325 (1993) 393
Djebara, M., see Asghar, M. A330 (1993) 178
Dobbins, J.A., see Alexander, J.P. A326 (1993) 243
Dobinson, R.W., see Pagès, J.L. A321 (1992) 342

Doble, N., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Dodge, G.E., see Kuhn, S.E. ... A322 (1992) 88
Dogru, M., see Beaumont, S.P. ... A321 (1992) 172
Dogru, M., see Beaumont, S.P. ... A322 (1992) 472
Dogru, M., see Beaumont, S.P. ... A326 (1993) 313
Dohrmann, F., see EDDA Collaboration ... A329 (1993) 151
Doi, Y., see Ichige, M. ... A327 (1993) 144
Doke, T., see Ichinose, H. ... A322 (1992) 216
Doke, T., see Hasebe, N. ... A325 (1993) 335
Doke, T., see Hasegawa, Y. ... A327 (1993) 57
Doke, T., see LaVerne, J.A. ... A327 (1993) 63
Doke, T., A historical view on the R & D for liquid rare gas detectors ... A327 (1993) 113
Doke, T., see Ichige, M. ... A327 (1993) 144
Doke, T., see Kashiwagi, T. ... A327 (1993) 148
Doke, T., see Ishida, N. ... A327 (1993) 152
Doke, T., see Chen, M. ... A327 (1993) 187
Dokukin, E.B. and Yu.V. Nikitenko, On variants of the neutron adiabatic spin flipper ... A330 (1993) 462
Dolbeau, J., see Anassontzis, E.G. ... A323 (1992) 351
Dolfini, R., see Benetti, P. ... A327 (1993) 173
Dolfini, R., see Benetti, P. ... A327 (1993) 203
Dolfini, R., see Benetti, P. ... A329 (1993) 361
Dolgoshein, B., see Chernyatin, V. ... A325 (1993) 441
Dolgoshein, B., Transition radiation detectors ... A326 (1993) 434
Dolgoshein, B., see Bondarenko, V. ... A327 (1993) 386
Doll, P., K. Daumiller and H.O. Klages, Streamer mode studies for KASCADE muon detectors ... A323 (1992) 327
Dollinger, G., P. Maier-Komor, C.M. Frey, E. Hammann and H.J. Körner, New plant for fabricating carbon stripper foils by laser plasma ablation deposition ... A328 (1993) 168
Domenico, A.D., see Asmone, A. ... A326 (1993) 477
Donahue, J.B., see Langenbrunner ... A325 (1993) 187
Donaldson, W., see Bamber, C. ... A327 (1993) 227
Donat, A., see Deiters, K. ... A323 (1992) 162
Donati, A., see Caroli, E. ... A322 (1992) 639
Donati, A., see Baldazzi, G. ... A322 (1992) 644
Donati, A., see Baldazzi, G. ... A326 (1993) 319
Doolittle, G., see Barbosa, F.J. ... A323 (1992) 191
Dore, U., see CHARM-II Collaboration ... A325 (1993) 92
Dorenbos, P., J.T.M. de Haas, R. Visser, C.W.E. van Eijk and R.W. Hollander, Quantum efficiencies of several VUV-sensitive photomultiplier tubes (*Letter to the Editor*) ... A325 (1993) 367
Dörflinger, D., see Wink, R. ... A329 (1993) 541
Dorner, G., see EDDA Collaboration ... A329 (1993) 151
Dorogovin, B.A., see Baryshevsky, V.G. ... A322 (1992) 231
Dos Santos, J.M.F., A.C.S.S.M. Bento and C.A.N. Conde, The effect of the photomultiplier nonuniformity on the performance of gas proportional scintillation counters ... A321 (1992) 238
Dos Santos, J.M.F., C.A.N. Conde and A.C.S.S.M. Bento, The energy linearity of gaseous xenon radiation detectors for X-rays with energies between 2 and 60 keV: Experimental results (*Letter to the Editor*) ... A324 (1993) 611
Doser, M., see Crystal Barrel Collaboration ... A321 (1992) 69
Doucas, G., J.H. Mulvey and M. Omori, Conversion of the Oxford Van de Graaff into an electron accelerator ... A328 (1993) 41
Doughty, D.C., see Barbosa, F.J. ... A323 (1992) 191
Doukellis, G., T. Paradellis and S. Kossionides, Energy and flux measurements of the neutrons produced in a gas cell ... A327 (1993) 480
Dracos, M., see Anassontzis, E.G. ... A323 (1992) 351
Drago, E., see Adeva, B. ... A323 (1992) 109
Dragon, L., see Berger, F. ... A321 (1992) 152
Drake, G., see Hauser, J. ... A321 (1992) 497
Draper, P., see DØ Collaboration ... A324 (1993) 53
Draper, P., see Aihara, H. ... A325 (1993) 393
Drees, A., see Chen, W. ... A326 (1993) 273
Drees, J., see Becks, K.H. ... A329 (1993) 501
Dressman, D.C., see Langenbrunner, J. ... A325 (1993) 187
Drinkard, J., see Batignani, G. ... A326 (1993) 183

Dris, M., see Anassontzis, E.G. ... A323 (1992) 351
Dröge, M., see CPLEAR Collaboration ... A321 (1992) 458
Drüke, V., see EDDA Collaboration ... A329 (1993) 151
Du, P.L., see Baines, J.T.M. ... A325 (1993) 271
Du Guangtian, see Si Houzhi ... A328 (1993) 207
Du Xueren see Guan Xialing ... A328 (1993) 34
Dubbers, D., see Bitter, T. ... A321 (1992) 284
Dubois, R., see Axen, D. ... A328 (1993) 472
Duchesneau, D., see Bay, A. ... A321 (1992) 119
Duckworth, H.E., see Hykawy, J.G. ... A329 (1993) 423
Duckworth, H.E., see Sidky, M.H. ... A330 (1993) 195
Ducros, Y., see DØ Collaboration ... A324 (1993) 53
Dudchik, Yu.I., F.F. Komarov, D.G. Lobotsky, V.S. Soloviev and V.S. Tishkov, A study of transmission of multilayer thin-film X-ray guides ... A325 (1993) 343
Dudragne, A., C.W. Fabjan, W. Flegel, H. Gerwig, L. Leistam, G. Petrucci, G. Pozzo, W. Richter and R. Fruhwirth, A shaped solenoid for muon spectroscopy at high-energy hadron colliders ... A324 (1993) 93
Dufour, J.P., see Blank, B. ... A330 (1993) 83
Dufour, Y., see Bingefors, N. ... A328 (1993) 447
Dugan, G., see DØ Collaboration ... A324 (1993) 53
Duhamel, P., see Benjelloun, M. ... A321 (1992) 521
Duinker, P., see Adeva, B. ... A323 (1992) 109
Dulach, B., see Anzivino, G. ... A329 (1993) 521
Dulinski, W., see Anassontzis, E.G. ... A323 (1992) 351
Dulinski, W., see Brenner, R. ... A326 (1993) 189
Dulinski, W., see Brenner, R. ... A326 (1993) 198
Dulinski, W., see Bingefors, N. ... A328 (1993) 447
Dumitrescu, R., see Marinescu, L. ... A328 (1993) 90
Dunham, B.M., see Engwall, D.A. ... A324 (1993) 409
Dunn, E., see Anderson, W.S. ... A323 (1992) 273
Dünnweber, W., see Crystal Barrel Collaboration ... A321 (1992) 69
Dünnweber, W., see Beha, T. ... A326 (1993) 386
Dunphy, P.P., E.L. Chupp and C.M. Jensen, Monte Carlo simulation of the response of NaI scintillator to medium energy neutrons ... A330 (1993) 199
Dunwoody, U.C., see Allport, P.P. ... A324 (1993) 34
Duong, H.T., C. Ekström, M. Gustafsson, T.T. Inamura, P. Juncar, P. Lievens, I.L.S. Matsuki, T. Murayama, R. Neugart, T. Nilsson, T. Nomura, M. Pellarin, S. Penselin, J. Persson, J. Pinard, I. Ragnarsson, O. Redi, H.H. Stroke, J.L. Vialle and the ISOLDE Collaboration, Atomic beam magnetic resonance apparatus for systematic measurement of hyperfine structure anomalies (Bohr–Weisskopf effect) ... A325 (1993) 465
Dupieux, P., see Gobbi, A. ... A324 (1993) 156
Duran, I., see Adeva, B. ... A323 (1992) 109
Düren, M., Z. Moroz, M. Veltri, K. Zapfe, H. Mairon, M. Metzger, B. Povh, K. Rith, E. Steffens, F. Stock, D. Toporkov, F. Zetsche, T.-A. Shibata, D. Fick, W. Korsch, G. Graw, W. Haeberli and G.T. Garvey, Test of a polarized hydrogen gas target based on the storage cell technique ... A322 (1992) 13
Düren, M., see Barber, D.P. ... A329 (1993) 79
Durston, S., see DØ Collaboration ... A324 (1993) 53
Durston, S., see Aihara, H. ... A325 (1993) 393
D'Uscio, E., see Bressi, G. ... A327 (1993) 163
Dusi, W., see Caroli, E. ... A322 (1992) 639
Dusi, W., see Baldazzi, G. ... A322 (1992) 644
Dusi, W., see Baldazzi, G. ... A326 (1993) 319
Duval, M., see Bourgarel, M.P. ... A328 (1993) 321
Dworak, D., K. Tesch and J.M. Zazula, Calculations of the photon dose behind concrete shielding of high energy proton accelerators ... A321 (1992) 589
Dwyer, J., see Buckley, J. ... A323 (1992) 380
Dyakonenkov, A., see DØ Collaboration ... A324 (1993) 53
Dyck, G.R., see Sidky, M.H. ... A330 (1993) 195
Dye, S.T., see Becker-Szendy, R. ... A324 (1993) 363
Dymnikov, A., R. Hellborg, J. Pallon, G. Skog, C. Yang and G. Ohlén, The effect of space charge on beam transport through the injection system of the Lund Pelletron accelerator ... A328 (1993) 164
Dymnikov, A. and R. Hellborg, Matrix theory of the motion of a charged particle beam in curvilinear space–time. Part I. General theory ... A330 (1993) 323

Dymnikov, A. and R. Hellborg, Matrix theory of the motion of a charged-particle beam in curvilinear space–time. Part II. Nonlinear theory. Formulae and algorithms ... A330 (1993) 343
Dyroff, T., see Arends, J. ... A323 (1992) 203
Dytlewski, N., M.S. Krick and N. Ensslin, Measurement variances in thermal neutron coincidence counting ... A327 (1993) 469
Dzieglewski, G., see Bal, F. ... A323 (1992) 511

Eartly, D., see DØ Collaboration ... A324 (1993) 53
Eberhard, P., G. Lynch and D. Lambert, Fits of Monte Carlo distributions to data ... A326 (1993) 574
Eberhard, P.H., see Aihara, H. ... A325 (1993) 393
Eckart, B., see CHARM-II Collaboration ... A325 (1993) 92
Eckerlin, G., see Biebel, O. ... A323 (1992) 169
Economou, T.E., J.S. Iwanczyk and R. Rieder, A HgI_2 X-ray instrument for the Soviet Mars '94 mission ... A322 (1992) 633
EDDA Collaboration, J. Bisplinghoff, R. Bollmann, P. Cloth, F. Dohrmann, G. Dorner, V. Drüke, J. Ernst, P.D. Eversheim, D. Filges, M. Gasthuber, R. Gebel, A. Groß, R. Groß-Hardt, F. Hinterberger, R. Jahn, L. Kühl, U. Lahr, R. Langkau, G. Lippert, T. Mayer-Kuckuk, R. Maschuw, G. Mertler, B. Metsch, F. Mosel, H. Paetz gen. Schieck, H.R. Petry, D. Prasuhn, B. v. Przewoski, H. Rohdjeß, D. Rosendaal, P. v. Rossen, H. Scheid, N. Schirm, F. Schwandt, W. Scobel, L. Sprute, H. Stein, D. Theis, J. Weber, W. Wiedmann, K. Woller and R. Ziegler, Position sensitivity by light splitting in scintillator arrays ... A329 (1993) 151
Edmunds, D., see DØ Collaboration ... A324 (1993) 53
Edmunds, D., see Aihara, H. ... A325 (1993) 393
Edwards, H., see Atiya, M.S. ... A321 (1992) 129
Edwards, J., see Ueno, K. ... A323 (1992) 601
Edwards, M., see Beaumont, S.P. ... A321 (1992) 172
Edwards, M., see Beaumont, S.P. ... A322 (1992) 472
Edwards, M., see Beaumont, S.P. ... A326 (1993) 313
Edwards, W.R., see Aihara, H. ... A325 (1993) 393
Eek, L.O., see Boštjančič, B. ... A323 (1992) 363
Eerola, P., see Bingefors, N. ... A328 (1993) 447
Efimov, A., see DØ Collaboration ... A324 (1993) 53
Egeni, G.P., see Bollini, D. ... A328 (1993) 173
Egger, J., see French, M. ... A324 (1993) 511
Eggert, K., see Bakker, F. ... A330 (1993) 44
Egli, S., see Eichenberger, S. ... A323 (1992) 532
Egli, S., see Wolff, Th. ... A323 (1992) 537
EHIT Collaboration, J.M. Bailey, G.A. Beck, S.F. Biagi, P.J. Bussey, P. Colrain, J.B. Dainton, E. Gabathuler, J.C. Hart, T.J. Jones, J.W. Hiddleston, S.J. Maxfield, N.A. McCubbin, J.M. Morton, B.T. Payne, C. Raine, E.J. Romans, D.P.C. Sankey, D.H. Saxon, I.O. Skillicorn and D.J. White, Radial wire drift chambers with fast gases for tracking at future supercolliders ... A323 (1992) 407
Ehlmann, B.K., L.C. Dennis and G.A. Riccardi, An object-based conceptual model of a nuclear physics experiments database ... A325 (1993) 294
Ehrlichmann, H., E. Michel and P. Križan, Direct comparison of different photocathode materials as part of a MWPC ... A323 (1992) 452
Ehwald, K.-E., see Ritter, G. ... A326 (1993) 3
Ehwald, K.-E., see Pierschel, M. ... A326 (1993) 304
Eichenberger, S., H.P. Beck, S. Egli, K. Müller, C.A. Meyer, P. Robmann, U. Straumann, P. Truöl, M. Arpagaus, R. Bernet, R. Eichler, C. Grab, J. Riedlberger and T. Wolff, A fast pipelined trigger for the H1 experiment based on multiwire proportional chamber signals ... A323 (1992) 532
Eichenberger, S., see Wolff, Th. ... A323 (1992) 537
Eichler, R., see Yadigaroglu, I. ... A323 (1992) 322
Eichler, R., see Eichenberger, S. ... A323 (1992) 532
Eichler, R., see Wolff, Th. ... A323 (1992) 537
Eide, Å., see Akkila, T. ... A327 (1993) 566
Eide, Å., see Akkila, T. ... A327 (1993) 573
Eigen, G., see Axen, D. ... A328 (1993) 472
Eiseman, S.E., see Etkin, A. ... A323 (1992) 224
Eisen, Y., see McGregor, D.S. ... A322 (1992) 487
Eisen, Y., Current state-of-the-art applications utilizing CdTe detectors ... A322 (1992) 596
Eisert, F., see Bitter, T. ... A321 (1992) 284
Ejiri, A., see Nakagawa, K. ... A327 (1993) 60
Ejiri, H., see Kudomi, N. ... A322 (1992) 53
Ejiri, H., see Lee, L. ... A327 (1993) 287

Ekholm, A., see Hovander, B. A325 (1993) 266
Ekström, C., see Duong, H.T. A325 (1993) 465
El-Muzeini, P., see Bitter, T. A321 (1992) 284
Elcombe, P.A., see Baines, J.T.M. A325 (1993) 271
Elias, J., see Abbott, B. A327 (1993) 319
Elkind, V., see Frumkin, I. A329 (1993) 337
Ellett, J., see Brandt, A. A327 (1993) 412
Ellison, J., see DØ Collaboration A324 (1993) 53
Ellison, J.A., see Newberger, B.S. A325 (1993) 9
Ellison, J.A., see Barberis, E. A326 (1993) 373
Ellman, B., see Shutt, T. A326 (1993) 166
Elmer, P., see Roberts, A.D. A322 (1992) 6
Ely, R.P., see Bacchetta, N. A324 (1993) 284
Emerich, H., see Crystal Barrel Collaboration A321 (1992) 69
Emes, J., see Shutt, T. A326 (1993) 166
Emi, K., see Uno, S. A330 (1993) 55
Emling, H., see Matulewicz, T. A325 (1993) 216
Endo, I. and T. Kobayashi, Exact evaluation of triplet photoproduction A328 (1993) 517
Endou, K., see Shinsaka, K. A327 (1993) 15
Enge, H.A., see Pile, P.H. A321 (1992) 48
Engel, J.P., see Anassontzis, E.G. A323 (1992) 351
Engelage, J.M., see Ahmad, S. A330 (1993) 416
Engelarge, J.M., see Hasebe, N. A325 (1993) 335
Engelfried, J., see Beusch, W. A323 (1992) 373
Engelhardt, D., see Crystal Barrel Collaboration A321 (1992) 69
Engelmann, R., see DØ Collaboration A324 (1993) 53
Engels, Jr., E., see Laakso, M. A326 (1993) 214
Engler, J., J. Knapp and G. Vater, Electron conduction in methylsilanes and their mixtures A327 (1993) 102
Engler, J., H.J. Gils, J. Knapp, H. Rebel and R. Supper, Signal saturation of strongly ionizing particles in TMS ionization chambers A327 (1993) 128
Engwall, D.A., B.M. Dunham, L.S. Cardman, D.P. Heddle and C.K. Sinclair, A spin manipulator for electron accelerators A324 (1993) 409
Eno, S., see Ueno, K. A323 (1992) 601
Enomoto, A., see Nakanishi, H. A328 (1993) 596
Ensslin, N., see Dytlewski, N. A327 (1993) 469
Entine, G., see Squillante, M.R. A322 (1992) 569
Entine, G., see Nagarkar, V. A322 (1992) 623
Equer, B., Thin-film semiconductors: new materials for future detectors A322 (1992) 457
Erdos, E., see Albee, M. A325 (1993) 429
Ereditato, A., see CHARM-II Collaboration A325 (1993) 92
Ereditato, A., see Buontempo, S. A327 (1993) 509
Erhan, S., see Brandt, A. A327 (1993) 412
Eriksson, H.G., J. Brynolf and H. Persson, Estimates of plasma equilibria from external magnetic measurements A325 (1993) 537
Erne, F., see Adeva, B. A323 (1992) 109
Ernst, J., see EDDA Collaboration A329 (1993) 151
Erö, J., see Gobbi, A. A324 (1993) 156
Eroshin, O., see DØ Collaboration A324 (1993) 53
Errede, S., see Becker-Szendy, R. A324 (1993) 363
Erriquez, O., see Bellotti, R. A323 (1992) 71
Erriquez, O., see MACRO Collaboration A324 (1993) 337
Ershov, Yu.V., see Bychkov, V.N. A325 (1993) 158
Escada, J., see Fraga, M.M. A323 (1992) 284
Espinoza, C., see Stanislaus, S. A323 (1992) 198
Esposito, A., see Birattari, C. A324 (1993) 232
Etkin, A., S.E. Eiseman, K.J. Foley, R.W. Hackenburg, R.S. Longacre, W.A. Love, T.W. Morris, E.D. Platner, A.C. Saulys, S.J. Lindenbaum, T.J. Hallman, C.S. Chan, M.A. Kramer, K.H. Zhao, Y. Zhu, L. Madansky, G. Rai, S. Ahmad, B.E. Bonner, J.A. Buchanan, C.N. Chiou, J.M. Clement, G.S. Mutchler and J.B. Roberts, Effects of high beam rates on TPCs A323 (1992) 224
Evdokimov, V., see DØ Collaboration A324 (1993) 53

Evensen, L., A. Hanneborg, T. Happ, A.H. Wuosmaa and R.R. Betts, A fast low noise silicon detector for electron spectroscopy up to 1 MeV A326 (1993) 136
Evers, G., see Anassontzis, E.G. A323 (1992) 351
Eversheim, P.D., see EDDA Collaboration A329 (1993) 151
Extermann, P., see Bay, A. A321 (1992) 119
Ezlikin, A.B., see Danilova, T.V. A323 (1992) 104

Fabbretti, R., see Adeva, B. A323 (1992) 109
Fabbretti, R. and P.G. Seiler, Improvement of the UV laser calibration of high energy particle spectrometers A323 (1992) 505
Fabbri, D., see Anzivino, G. A329 (1993) 521
Fabbri, F.L., see Frabetti, P.L. A329 (1993) 62
Fabbri, F.L., see Anzivino, G. A329 (1993) 521
Fabjan, C.W., see Aubert, B. A321 (1992) 467
Fabjan, C.W., see Dudragne, A. A324 (1993) 93
Fabjan, C.W., see Aubert, B. A325 (1993) 116
Fabjan, C.W., see Vuillemin, V. A327 (1993) 44
Fabjan, C.W., see RD3 Collaboration A330 (1993) 405
Fabre, J.P., see Bähr, J. A324 (1993) 145
Fabre, J.P., see Baechler, J. A324 (1993) 449
Fabre, M., see Adeva, B. A323 (1992) 109
Fabris, A., see D'Auria, G. A329 (1993) 393
Facchini, N., see Baechler, J. A324 (1993) 449
Faccio, F., see Manfredotti, C. A322 (1992) 483
Facco, A., see Fortuna, G. A328 (1993) 236
Facco, A. and J.S. Sokolowski, The bulk niobium resonators program at LNL A328 (1993) 275
Faddegon, B.A. and D.W.O. Rogers, Comparisons of thick-target bremsstrahlung calculations by EGS4/PRESTA and ITS version 2.1 ..... A327 (1993) 556
Faessler, M.A., see Crystal Barrel Collaboration A321 (1992) 69
Fahey, S., see DØ Collaboration A324 (1993) 53
Faissner, H., Th. Moers, R. Priem, B. Razen, D. Rein, H. Reithler, D. Samm, R. Schleichert, H. Schwarthoff, H. Tuchscherer and H. Wagner, Modular wall-less drift chamber for muon detection at the LHC A330 (1993) 76
Faivre, J.C., see Ahmidouch, A. A326 (1993) 538
Falvard, A., see Brandl, B. A324 (1993) 307
Fan, Q., see Hauser, J. A321 (1992) 497
Fan, Q., see Beretvas, A. A329 (1993) 50
Fan, Z.G., see Gobbi, A. A324 (1993) 156
Fanourakis, G., see Demortier, L. A324 (1993) 77
Fantechi, R., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Farrelly Pessoa, E., see Acquadro, J.C. A324 (1993) 1
Farthouat, P., see Baines, J.T.M. A325 (1993) 271
Faschingbauer, U., see Chen, W. A326 (1993) 273
Fassouliotis, D., see Anassontzis, E.G. A323 (1992) 351
Fatyga, M., see DØ Collaboration A324 (1993) 53
Faux, L., see Blank, B. A330 (1993) 83
Fava, L., see Balestra, F. A323 (1992) 523
Favaron, P., see Fortuna, G. A328 (1993) 236
Favaron, P., see Pengo, R. A328 (1993) 242
Favart, D., see CHARM-II Collaboration A325 (1993) 92
Favuzzi, C., see Bellotti, R. A323 (1992) 71
Favuzzi, C., see MACRO Collaboration A324 (1993) 337
Fayard, C., see Gobbi, A. A324 (1993) 156
Fayard, L., see Aubert, B. A321 (1992) 467
Fayard, L., see Aubert, B. A325 (1993) 116
Fayard, L., see RD3 Collaboration A330 (1993) 405
Fazzi, A., see Bertuccio, G. A322 (1992) 538
Fearick, R.W., see McMurray, W.R. A329 (1993) 217
Featherly, J., see DØ Collaboration A324 (1993) 53
Featherly, J., see Aihara, H. A325 (1993) 393
Fedorenko, V.E., see Anashkin, E.V. A323 (1992) 178
Fedotov, Yu.S., see Asseev, A.A. A324 (1993) 31

Fedotov, Yu.S., see Asseev, A.A. A330 (1993) 39
Fedotovich, G.V., see Anashkin, E.V. A323 (1992) 178
Fedyakin, N., see Akopyan, M. A330 (1993) 465
Fedyakin, N.N., see Chen, M. A327 (1993) 187
Fegan, D.J., see Gillanders, G.H. A323 (1992) 677
Feher, S., see DØ Collaboration A324 (1993) 53
Feilitzsch, F.v., see Kraus, H. A326 (1993) 172
Felawka, L., see Atiya, M.S. A321 (1992) 129
Felder, C., see CPLEAR Collaboration A321 (1992) 458
Feldman, H., see Kella, D. A329 (1993) 440
Felix, C., see Crystal Barrel Collaboration A321 (1992) 69
Feller, W.B., see Fraser, G.W. A324 (1993) 404
Félszerfalvi, J., see Bartha, L. A328 (1993) 86
Felton, A., see Bras, W. A326 (1993) 587
Feng, E., see Liu, G. A322 (1992) 243
Feng Shuqing see Deng Yusheng A328 (1993) 101
Fenker, H.C., see Regan, T.O. A326 (1993) 570
Fenton, K.B., see Ye, Z. A329 (1993) 140
Feofilov, G., see Baldin, A. A323 (1992) 439
Ferbel, T., see DØ Collaboration A324 (1993) 53
Ferbel, T., see Aihara, H. A325 (1993) 393
Ferger, P., see Forster, G. A324 (1993) 491
Ferguson, P., see Barberis, E. A326 (1993) 373
Fernández, E., see Alemany, R. A330 (1993) 422
Ferorelli, R., see Baechler, J. A324 (1993) 449
Ferrari, A., see Aubert, B. A321 (1992) 467
Ferrari, A., see Birattari, C. A324 (1993) 232
Ferrari, A., see Aubert, B. A325 (1993) 116
Ferrari, A., see RD3 Collaboration A330 (1993) 405
Ferreira Marques, R., see Fraga, M.M. A323 (1992) 284
Ferrero, L., see Balestra, F. A323 (1992) 523
Ferry, J.A., Recent developments in electrostatic accelerator technology at NEC A328 (1993) 28
Fetscher, W., see CPLEAR Collaboration A321 (1992) 458
Feuerstack, M., see Brecht, D. A323 (1992) 60
Fiandri, M.L., see Iori, I. A325 (1993) 458
Ficenec, D., see MACRO Collaboration A324 (1993) 337
Fick, D., see Düren, M. A322 (1992) 13
Fidecaro, M., see CPLEAR Collaboration A321 (1992) 458
Field, J.H., see Bourquin, M. A325 (1993) 509
Fielding, H.W., see Cairns, E.B. A321 (1992) 109
Filges, D., see EDDA Collaboration A329 (1993) 151
Filimon, I., see Marinescu, L. A328 (1993) 90
Filimonov, I., see Pommot Maia, M. A326 (1993) 496
Filippas, T.A., see Anassontzis, E.G. A323 (1992) 351
Filippo, E.D., see Lanzanó, G. A323 (1992) 694
Fincke-Keeler, M., see Astbury, A. A324 (1993) 461
Fincke-Keeler, M., see Poffenberger, P.R. A327 (1993) 99
Findeis, N., see Bischoff, A. A326 (1993) 27
Findeis, N., see Pinotti, E. A326 (1993) 85
Findeis, N., see Bräuninger, H. A326 (1993) 126
Findeis, N., see Lechner, P. A326 (1993) 284
Finley, D., see DØ Collaboration A324 (1993) 53
Finocchiaro, G., see DØ Collaboration A324 (1993) 53
Finocchiaro, P. and C. Caîi, A compact ECL system for fast data readout and event building in a multidetector environment A322 (1992) 263
Finocchiaro, P., see Del Zoppo, A. A327 (1993) 363
Finocchiaro, P., see Bellia, G. A329 (1993) 173
Fintz, P., see Gobbi, A. A324 (1993) 156
Fiori, F., see Beaumont, S.P. A321 (1992) 172
Fiori, F., see Beaumont, S.P. A322 (1992) 472
Fiori, F., see Beaumont, S.P. A326 (1993) 313

Fiorillo, G., see CHARM-II Collaboration ... A325 (1993) 92
Fiorini, E., see Bellotti, E. ... A323 (1992) 125
Fischer, J., see Smith, G.C. ... A323 (1992) 78
Fischer, P., see Chen, W. ... A326 (1993) 273
Fisk, H.E., see DØ Collaboration ... A324 (1993) 53
Fisk, H.E., see Aihara, H. ... A325 (1993) 393
Fisk, R., see Stanislaus, S. ... A323 (1992) 198
Fitzgerald, D., see Neuffer, D. ... A321 (1992) 1
Fizzotti, F., see Manfredotti, C. ... A322 (1992) 483
Flammer, I., see Berger, C. ... A330 (1993) 285
Flegel, W., see Dudragne, A. ... A324 (1993) 93
Flegel, W., see Bähr, J. ... A324 (1993) 145
Flegel, W., see CHARM-II Collaboration ... A325 (1993) 92
Fleming, J.K., see Barberis, E. ... A326 (1993) 373
Fletcher, K.A., T.C. Black, H.J. Karwowski, E.J. Ludwig and Y. Tagishi, A deuteron tensor polarimeter for energies below 90 keV ... A329 (1993) 197
Fleury, A., see Blank, B. ... A330 (1993) 83
Flietner, H., see Mende, G. ... A326 (1993) 16
Florent, J.J., see Bouclier, R. ... A323 (1992) 240
Florent, J.J., J. Gaudaen, L. Ropelewski and F. Sauli, The electrostatic field in microstrip chambers and its influence on detector performance ... A329 (1993) 125
Flores, I., see Hasebe, N. ... A325 (1993) 335
Florido, P.C., see Mayer, R.E. ... A324 (1993) 501
Flower, P.S., see Bailey, J.M. ... A323 (1992) 184
Flower, P.S., see Grässler, H. ... A323 (1992) 401
Focardi, E., see Batignani, G. ... A326 (1993) 183
Foden, C.L., see Perryman, M.A.C. ... A325 (1993) 319
Fodor, Z., see Gobbi, A. ... A324 (1993) 156
Fokitis, E., see Anassontzis, E.G. ... A323 (1992) 351
Foley, K.J., see Etkin, A. ... A323 (1992) 224
Folger, G., see Crystal Barrel Collaboration ... A321 (1992) 69
Fontaine, J.Ch., S. Barthe, J.P. Ponpon, J.P. Schunck and P. Siffert, Characterization of silicon during the fabrication of nuclear detectors by the planar process ... A326 (1993) 10
Fontaine, J.M., see Ball, J. ... A327 (1993) 308
Foos, C., see CHARM-II Collaboration ... A325 (1993) 92
Forbush, D., see Axen, D. ... A328 (1993) 472
Forconi, G., see Bourquin, M. ... A325 (1993) 509
Forden, G.E., see DØ Collaboration ... A324 (1993) 53
Forden, G.E., see Aihara, H. ... A325 (1993) 393
Forker, M., W. Herz, U. Hütten, M. Müller, R. Müßeler, J. Schmidberger, D. Simon, A. Weingarten and S.C. Bedi, A furnace for high temperature perturbed angular correlation measurements ... A327 (1993) 456
Forster, G., P. Ferger, F. v. Feilitzsch and R.L. Mössbauer, Calorimetric particle detectors with superconducting absorber materials ... A324 (1993) 491
Forti, C., see MACRO Collaboration ... A324 (1993) 337
Forti, F., see Batignani, G. ... A326 (1993) 183
Fortier, S., see Laurent, H. ... A326 (1993) 517
Fortner, M., see DØ Collaboration ... A324 (1993) 53
Fortson, L., see Benetti, P. ... A327 (1993) 173
Fortson, L., see Benetti, P. ... A327 (1993) 203
Fortson, L., see Benetti, P. ... A329 (1993) 361
Fortuna, G., A.M. Porcellato, G. Bassato, A. Battistella, M. Bellato, L. Bertazzo, G. Bezzon, G. Bisoffi, G. Buso, S. Canella, M. Cavenago, F. Cervellera, F. Chiurlotto, A. Dainelli, N. Dainese, M. De Lazzari, A. Facco, P. Favaron, M. Lollo, A. Lombardi, S. Marigo, M.F. Moisio, V. Palmieri, R. Pengo, M. Poggi, J.S. Sokolowski, L. Badan, M. Barbadillo, R. Pegoraro, R. Preciso and F. Scarpa, Completion of the medium-β section of the ALPI SC-booster at LNL ... A328 (1993) 236
Foss, M., see Axen, D. ... A328 (1993) 472
Foster, F., see Beaumont, S.P. ... A321 (1992) 172
Foster, F., see Beaumont, S.P. ... A322 (1992) 472
Foster, F., see Beaumont, S.P. ... A326 (1993) 313
Foster, G.W., see Becker-Szendy, R. ... A324 (1993) 363
Foster, G.W., see Beretvas, A. ... A329 (1993) 50

Foti, A., see Lanzanó, G. A323 (1992) 694
Foti, A., see Iori, I. A325 (1993) 458
Foti, L., see MACRO Collaboration A324 (1993) 337
Fougeron, C., G. Clerc, M. Langlois and M.P. Tardy, Rf accelerating cavity for COSY A328 (1993) 279
Fournier, D., see Aubert, B. A321 (1992) 467
Fournier, D., see Aubert, B. A325 (1993) 116
Fournier, D., see RD3 Collaboration A330 (1993) 405
Fowles, P., see Parker, D.J. A326 (1993) 592
Fox, D., see Sullivan, J.P. A324 (1993) 441
Fox, J., see Axen, D. A328 (1993) 472
Fox, M., see Axen, D. A328 (1993) 472
Frabetti, P.L., see Aulchenko, V.M. A327 (1993) 193
Frabetti, P.L., C.W. Bogart, J. Cumalat, S. Culy, H. Cheung, W. Johns, J.N. Butler, S. Cihangir, R. Currier, F. Davenport, I. Gaines, P.H. Garbincius, S. Gourlay, D.J. Harding, R. Justice, P. Kasper, A. Kreymer, P. Lebrun, S. Shukla, S. Bianco, F.L. Fabbri, A. Spallone, A. Zallo, G. Jaross, K. Lingel, J. Wiss, G. Alimonti, G. Bellini, B. Caccianiga, W.R. Gavaletti, L. Cinquini, P. D'Angelo, M.D. Corato, M. Giammarchi, P. Inzani, F. Leveraro, S. Malvezzi, P.F. Manfredi, D. Menasce, E. Meroni, L. Moroni, D. Pedrini, L. Perasso, F. Ragusa, A. Sala, S. Sala, D. Torretta, M. Vittone, D. Buchholz, C. Castoldi, D. Claes, B. Gobbi, S. Park, R. Yoshida, J.M. Bishop, J.K. Busenitz, N.M. Cason, J.D. Cunningham, R.W. Gardner, C.J. Kennedy, E.J. Mannel, R.J. Mountain, D.L. Puseljic, R.C. Ruchti, W.D. Shephard, Z.Y. Wu, M.E. Zanabria, V. Arena, G. Boca, R. Diaferia, S.P. Ratti, C. Riccardi, P. Vitulo, A. Lopez, H. Mendez and J.R. Wilson, A wide band photon beam at the Fermilab Tevatron to study heavy flavors A329 (1993) 62
Fraga, F.A. and E. Mathieson, Assessment of SQS charge distribution models by pulse shape analysis A323 (1992) 333
Fraga, M.M., E.P. de Lima, M.A. Alves, J. Escada, R. Ferreira Marques, M. Salete Leite and A. Policarpo, Fragments and radicals in gaseous detectors A323 (1992) 284
Fraissard, D., see Anassontzis, E.G. A323 (1992) 351
Franc, J., see Höschl, P. A322 (1992) 371
Francescato, A., see Beaumont, S.P. A321 (1992) 172
Francescato, A., see Beaumont, S.P. A322 (1992) 472
Francescato, A., see Beaumont, S.P. A326 (1993) 313
Franck, A., see Herrup, D.A. A329 (1993) 470
Francke, T., see Akkila, T. A327 (1993) 566
Frani, A., see MACRO Collaboration A324 (1993) 337
Frank, J.S., see Atiya, M.S. A321 (1992) 129
Frankle, C.M., see Triple Collaboration A326 (1993) 549
Fransson, K., see Hovander, B. A325 (1993) 266
Franz, A., see Aubert, B. A321 (1992) 467
Franzini, P., see DØ Collaboration A324 (1993) 53
Franzini, P., see Aihara, H. A325 (1993) 393
Frascaria, N., see Bellia, G. A329 (1993) 173
Fraser, G.W., M.T. Pain, J.E. Lees, C.R. Binns, J.F. Pearson and P.R. Houghton, The characterisation of gold X-ray photocathodes A321 (1992) 385
Fraser, G.W., A.N. Brunton, J.E. Lees, J.F. Pearson and W.B. Feller, X-ray focusing using square-pore microchannel plates. First observation of cruxiform image structure (*Letter to the Editor*) A324 (1993) 404
Fraser, G.W., see Pearson, J.F. A325 (1993) 578
Fraser, G.W., M.T. Pain and J.E. Lees, Microchannel plate operation at high count rates: further studies A327 (1993) 328
Fraysse, L., see Gobbi, A. A324 (1993) 156
Freedman, S.J., see Kaloskamis, N.I. A330 (1993) 447
Freeman, J., see Hauser, J. A321 (1992) 497
Freeman, J., see Beretvas, A. A329 (1993) 50
Frei, D., see Berger, C. A330 (1993) 285
Freifelder, R., see Gobbi, A. A324 (1993) 156
Freifelder, R., see Matulewicz, T. A325 (1993) 216
French, B.R., see Adinolfi, M. A329 (1993) 117
French, M., M. Lovell, E. Chesi, A. Racz, J. Séguinot, T. Ypsilantis, R. Arnold, J.L. Guyonnet, J. Egger and K. Gabathuler, A fast integrated readout system for a cathode pad photon detector A324 (1993) 511
Frenkel, A., see Bacci, C. A324 (1993) 83
Frenkel-Rambaldi, A., see CHARM-II Collaboration A325 (1993) 92
Fretwurst, E., see Kraner, H.W. A326 (1993) 350
Fretwurst, E., N. Claussen, N. Croitoru, G. Lindström, B. Papendick, U. Pein, H. Schatz, T. Schulz and R. Wunstorf, Radiation hardness of silicon detectors for future colliders A326 (1993) 357

Fretwurst, E., see Anghinolfi, F. ... A326 (1993) 365
Frey, C.M., see Dollinger, G. ... A328 (1993) 168
Frick, G., see Cooke, C.M. ... A328 (1993) 80
Friebel, W., see Deiters, K. ... A323 (1992) 162
Friedrich, J., see Crystal Barrel Collaboration ... A321 (1992) 69
Friend, B., see Bähr, J. ... A324 (1993) 145
Frolov, S., see Gobbi, A. ... A324 (1993) 156
Frontera, F., D. Dal Fiume, J.M. Poulsen, G.F. Taiocchi, A. Basili and S. Silvestri, Pulse shape analyzer for the multiple phoswich detector on the LAPEX experiment ... A324 (1993) 589
Fruhwirth, R., see Dudragne, A. ... A324 (1993) 93
Frühwirth, R., Estimation of error components in a multi-error linear regression model, with an application to track fitting ... A324 (1993) 317
Frumkin, I., A. Breskin, R. Chechik, V. Elkind and A. Notea, Properties of CsI-based gaseous secondary emission X-ray imaging detectors ... A329 (1993) 337
Fryar, J., see Markham, C. ... A324 (1993) 383
Fucci, A., see Bastianello, G. ... A324 (1993) 543
Fuchs, H., see Pausch, G. ... A322 (1992) 43
Fuess, S., see DØ Collaboration ... A324 (1993) 53
Fuess, S., see Aihara, H. ... A325 (1993) 393
Fuglesang, C., see Aubert, B. ... A321 (1992) 467
Fuglesang, C., see Aubert, B. ... A325 (1993) 116
Fuglesang, C., see RD3 Collaboration ... A330 (1993) 405
Fujisawa, M., see Ueda, Y. ... A330 (1993) 140
Fujiwara, I., see Yamadera, A. ... A329 (1993) 188
Fukuda, T., see Lee, L. ... A327 (1993) 287
Fukui, T., see Takasaki, F. ... A322 (1992) 211
Fukui, Y., see Hauser, J. ... A321 (1992) 497
Fukumura, K., A. Nakanishi and T. Kobayashi, CEMS at low temperature with a gas mixture of helium and neon ... A325 (1993) 475
Fukunaga, C., see Baines, J.T.M. ... A325 (1993) 271
Fukushima, M., see Katagiri, M. ... A327 (1993) 463
Fukushima, Y., see Terunuma, N. ... A323 (1992) 471
Fulda, F., see Bingefors, N. ... A328 (1993) 447
Fulton, R.L., see Aihara, H. ... A325 (1993) 393
Funaki, M., see Iwase, Y. ... A322 (1992) 628
Funakoshi, Y., see Hanaoka, K. ... A329 (1993) 16
Fuochi, P.G., see Bacchetta, N. ... A326 (1993) 381
Furlan, M., see Berger, C. ... A330 (1993) 285
Furuno, K., see Nagashima, Y. ... A328 (1993) 338
Furutaka, K., see Futami, Y. ... A326 (1993) 513
Fuschini, E., see Iori, I. ... A325 (1993) 458
Fusco, P., see Bellotti, R. ... A323 (1992) 71
Fusco, P., see MACRO Collaboration ... A324 (1993) 337
Fusillo, G., see Gatti, E. ... A326 (1993) 279
Futami, Y., T. Mizota, Y.H. Pu, Y. Honjo, K. Yuasa-Nakagawa, H. Toyokawa, S.M. Lee, K. Furutaka, T. Murakami, J. Kasagi, K. Yoshida and T. Nakagawa, Performance of a phoswich detector composed of thin plastic and thick BaF_2 scintillators ... A326 (1993) 513
Fuwa, K., K. Yamamuro, H. Yanagida and S. Shimizu, Development of a scanning reflection electron microscope for in situ observation of crystal growth ... A328 (1993) 592
Fyodorov, A.A., see Baryshevsky, V.G. ... A322 (1992) 231

Gabathuler, E., see Bailey, J.M. ... A323 (1992) 184
Gabathuler, E., see Grässler, H. ... A323 (1992) 401
Gabathuler, E., see EHIT Collaboration ... A323 (1992) 407
Gabathuler, K., see French, M. ... A324 (1993) 511
Gabutti, A., see Berger, C. ... A330 (1993) 285
Gadomski, S., see Bingefors, N. ... A326 (1993) 112
Gadomski, S., see Brenner, R. ... A326 (1993) 189
Gadomski, S., see Brenner, R. ... A326 (1993) 198
Gadomski, S., M. Turala, E. Barberis, N. Cartiglia, J. Leslie and H.F.-W. Sadrozinski, Pulse shapes of silicon strip detectors as a diagnostic tool ... A326 (1993) 239

Gagelin, J.J., see Mathy, F. A322 (1992) 615
Gaillard, G., see Ball, J. A327 (1993) 308
Gaillard, J.M., see Basa, S. A330 (1993) 93
Gaines, I., see Frabetti, P.L. A329 (1993) 62
Gajewski, W., see Becker-Szendy, R. A324 (1993) 363
Gala, L.L., see Brautti, G. A328 (1993) 59
Galès, S., see Laurent, H. A326 (1993) 517
Galli, D., see Affatato, S. A325 (1993) 417
Galster, W., see Benjelloun, M. A321 (1992) 521
Galumian, P., C. Joseph, J.-P. Perroud, M.-T. Tran and M. Werlen, A method for precise calibration of electron beam energy A327 (1993) 269
Gammino, S., see Ciavola, G. A328 (1993) 64
Gammino, S., see Calabretta, L. A328 (1993) 186
Gamp, S., see Brecht, D. A323 (1992) 60
Ganezer, K., see Becker-Szendy, R. A324 (1993) 363
Gangrski, Yu.P., see Kirsanov, M.A. A327 (1993) 48
Gao, B., see Anzivino, G. A329 (1993) 521
Gao, C.S., see DØ Collaboration A324 (1993) 53
Gao, J., Analytical formulae for the coupling coefficient β between a waveguide and a travelling wave structure (*Letter to the Editor*) A330 (1993) 306
Gao, Z., see Cesaroni, F. A323 (1992) 549
Gao Xiang, see Si Houzhi A328 (1993) 207
Garabatos, C., see Crawford, H. A323 (1992) 424
Garber, E., see Atiya, M.S. A321 (1992) 129
Garbincius, P.H., see Frabetti, P.L. A329 (1993) 62
Garcia, E., see Morales, J. A321 (1992) 410
Garcia, R.C., see Yuan, V.W. A329 (1993) 381
Garcia-Belmonte, G., see Olmos, P. A322 (1992) 557
Garczynski, V., Effects due to linear coupling, to the second-order in the skew-quadrupole strengths A324 (1993) 7
Garczynski, V., Compensation schemes for an experimental solenoid installed in an anti-symmetric lattice ... A324 (1993) 28
Gardès, D., see Attal, P. A328 (1993) 293
Gardner, R.W., see Frabetti, P.L. A329 (1993) 62
Garfagnini, R., see Balestra, F. A323 (1992) 523
Garis, N.S., see Hoek, M. A322 (1992) 248
Garreta, D., see CPLEAR Collaboration A321 (1992) 458
Garufi, F., see Asmone, A. A326 (1993) 477
Garvey, G.T., see Düren, M. A322 (1992) 13
Gasparini, F., see Benetti, P. A327 (1993) 173
Gasparini, F., see Benetti, P. A327 (1993) 203
Gasthuber, M., see EDDA Collaboration A329 (1993) 151
Gatignon, L., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Gatta, M., see Anzivino, G. A329 (1993) 521
Gatti, E., see Bertuccio, G. A322 (1992) 271
Gatti, E., see Pinotti, E. A326 (1993) 85
Gatti, E., see Vacchi, A. A326 (1993) 267
Gatti, E., see Chen, W. A326 (1993) 273
Gatti, E. and G. Fusillo, About the precision of time and amplitude measurements in drift detectors A326 (1993) 279
Gatti, F., see Cosulich, E. A321 (1992) 211
Gau, S.S., see Adeva, B. A323 (1992) 109
Gaudaen, J., see Bouclier, R. A323 (1992) 240
Gaudaen, J., see Florent, J.J. A329 (1993) 125
Gaude, G., see Verger, L. A322 (1992) 357
Gaudreau, M., see Ishida, N. A327 (1993) 152
Gaudreau, M.P.J., see Chen, M. A327 (1993) 187
Gaul, H.G., see Barber, D.P. A329 (1993) 79
Gaumann, E., see Anassontzis, E.G. A323 (1992) 351
Gauzzi, P., see Asmone, A. A326 (1993) 477
Gavaletti, W.R., see Frabetti, P.L. A329 (1993) 62
Gavrilenko, I., see Chernyatin, V. A325 (1993) 441
Gavrilov, N.V., see Koval, N.N. A321 (1992) 417

Gavrilov, Y., see Baldin, A. ... A323 (1992) 439
Gavron, A., see Parker, W.E. ... A321 (1992) 376
Gavron, A., see Sullivan, J.P. ... A324 (1993) 441
Gazis, E., see Anassontzis, E.G. ... A323 (1992) 351
Ge Jiyun see Guan Xialing ... A328 (1993) 34
Gebel, R., see EDDA Collaboration ... A329 (1993) 151
Geddes, N.I., see Baines, J.T.M. ... A325 (1993) 271
Gee, C.N.P., see Baines, J.T.M. ... A325 (1993) 271
Geiregat, D., see CHARM-II Collaboration ... A325 (1993) 92
Geld, T., see DØ Collaboration ... A324 (1993) 53
Genat, J.F., see Bingefors, N. ... A328 (1993) 447
Gennari, E., see Bacci, C. ... A324 (1993) 83
Gennaro, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Gensch, U., see D'Ambrosio, C. ... A322 (1992) 20
Genser, K., see DØ Collaboration ... A324 (1993) 53
Gensler, S.W., see Hobbs, J.D. ... A325 (1993) 494
Gentile, S., see Bagnaia, P. ... A323 (1992) 528
Gentile, S., see Cesaroni, F. ... A323 (1992) 549
Gentile, S., see Bagnaia, P. ... A324 (1993) 101
Gentit, F.X., see Baines, J.T.M. ... A325 (1993) 271
Georget, Y., see Anne, R. ... A329 (1993) 21
Georgopoulos, P., see Kushnir, V.I. ... A328 (1993) 588
Gerassimov, S.G., see Beusch, W. ... A323 (1992) 373
Gerber, H.-J., see CPLEAR Collaboration ... A321 (1992) 458
Gere, W., see Ahmad, S. ... A330 (1993) 416
Gerland, L., see CHARM-II Collaboration ... A325 (1993) 92
German, U. and G. Shani, A high efficiency neutron spectrometer for investigation of multiplication reactions ... A321 (1992) 291
Gerrish, V., see James, K. ... A322 (1992) 390
Gerrish, V., Polarization and gain in mercuric iodide gamma-ray spectrometers ... A322 (1992) 402
Gerschel, A., see Roy, P. ... A325 (1993) 568
Gervasio, G., see Bellotti, E. ... A323 (1992) 125
Gervino, G., see Zucchiatti, A. ... A321 (1992) 219
Gervino, G., see Anghinolfi, M. ... A324 (1993) 191
Gerward, L., see Cousins, C.S.G. ... A324 (1993) 598
Gerwig, H., see Dudragne, A. ... A324 (1993) 93
Gettner, M., see Adeva, B. ... A323 (1992) 109
Gherarducci, F., see MACRO Collaboration ... A324 (1993) 337
Ghioni, M., see Lacaita, A. ... A326 (1993) 290
Giacomelli, G., see MACRO Collaboration ... A324 (1993) 337
Giacomelli, P., see Vacchi, A. ... A326 (1993) 267
Gialas, I., see Caldwell, A. ... A321 (1992) 356
Giammarchi, M., see Frabetti, P.L. ... A329 (1993) 62
Gianfelice-Wendt, E., see Barber, D.P. ... A329 (1993) 79
Gianino, C., see Iori, I. ... A325 (1993) 458
Giannini, G., see MACRO Collaboration ... A324 (1993) 337
Gianotti, F., see Aubert, B. ... A321 (1992) 467
Gianotti, F., see Aubert, B. ... A325 (1993) 116
Gianotti, F., see RD3 Collaboration ... A330 (1993) 405
Giardoni, M., see Anzivino, G. ... A329 (1993) 521
Gibbard, B.G., see DØ Collaboration ... A324 (1993) 53
Gibbard, B.G., see Aihara, H. ... A325 (1993) 393
Gibin, D., see Bitter, T. ... A321 (1992) 284
Gibson, V., see Allport, P.P. ... A324 (1993) 34
Gifford, D.W., see Court, G.R. ... A324 (1993) 433
Gigante, G.E., see Cesareo, R. ... A322 (1992) 583
Gigli Berzolari, A., see Benetti, P. ... A327 (1993) 173
Gigli Berzolari, A., see Benetti, P. ... A327 (1993) 203
Gigli Berzolari, A., see Benetti, P. ... A329 (1993) 361
Giglietto, N., see Bellotti, R. ... A323 (1992) 71
Giglietto, N., see MACRO Collaboration ... A324 (1993) 337

Giglio, F., see Iori, I. A325 (1993) 458
Gildemeister, O., see Aubert, B. A321 (1992) 467
Gildemeister, O., see Aubert, B. A325 (1993) 116
Gildemeister, O., see RD3 Collaboration A330 (1993) 405
Gilkinson, D., see Behrens, U A323 (1992) 611
Gill, D.R., see Sum, V. A326 (1993) 489
Gill, D.R., see Lee, L. A327 (1993) 287
Gill, K., G. Hall, S. Roe, S. Sotthibandhu, R. Wheadon, P. Giubellino and L. Ramello, Radiation damage by neutrons and photons to silicon detectors A322 (1992) 177
Gillanders, G.H., D.J. Fegan, P.K. MacKeown, T.C. Weekes and T. Whitaker, Development of a high altitude air shower array for gamma-ray astronomy A323 (1992) 677
Gillespie, D., see Grässler, H. A323 (1992) 401
Gillespie, D.M., see Bailey, J.M. A323 (1992) 184
Gillette, V.H., see Mayer, R.E. A324 (1993) 501
Gillibert, A., see Bellia, G. A329 (1993) 173
Gilman, R., R.J. Holt, E.R. Kinney, R.S. Kowalczyk, J. Napolitano, A.W. Nikitin, D.M. Nikolenko, S.G. Popov, D.H. Potterveld, I.A. Rachek, D.K. Toporkov, E.P. Tsentalovich, B.B. Wojtsekhowski and L. Young, A polarized gas internal target using a storage cell in an electron storage ring A327 (1993) 277
Gils, H.J., see Engler, J. A327 (1993) 128
Gimenez, E., see Gobbi, A. A324 (1993) 156
Giokaris, N.D., see Demortier, L. A324 (1993) 77
Giokaris, N.D., see Apollinari, G. A324 (1993) 475
Giomataris, Y., G. Charpak, V. Peskov and F. Sauli, New generation of Cherenkov counters A323 (1992) 431
Giorgi, M., see Batignani, G. A326 (1993) 183
Gioumousis, A., see Axen, D. A328 (1993) 472
Giraud-Heraud, Y., see Shutt, T. A326 (1993) 166
Girolami, B., see Zucchiatti, A. A321 (1992) 219
Giubellino, P., see Gill, K. A322 (1992) 177
Giubellino, P., see MACRO Collaboration A324 (1993) 337
Givernaud, A., A. Gonidec, G. Maurin, A. Placci, E. Radermacher, D. Schinzel and W.F. Schmidt, Effects of γ-irradiation on the electron lifetime and positive ion mobility in tetramethylsilane and tetramethypentane A321 (1992) 551
Glaser, M., see Anghinolfi, F. A326 (1993) 365
Glasgow, R., see Berger, F. A321 (1992) 152
Glass, G., see Supek, I. A324 (1993) 19
Glassel, P., see Chen, W. A326 (1993) 273
Glasser, F., see Verger, L. A322 (1992) 357
Glasser, F., G. Thomas, M. Cuzin and L. Verger, Application of cadmium telluride detectors to high energy computed tomography A322 (1992) 619
Glazov, A., I. Kisel, E. Konotopskaya and G. Ososkov, Filtering tracks in discrete detectors using a cellular automaton A329 (1993) 262
Glebov, V., see DØ Collaboration A324 (1993) 53
Glessing, W., see Allport, P.P. A324 (1993) 34
Glicenstein, J.-F., see DØ Collaboration A324 (1993) 53
Gloth, G., see Behrens, U. A323 (1992) 611
Gobbi, A., J.P. Alard, G. Augustinski, Z. Basrak, N. Bastid, I.M. Belayev, Th. Blaich, P. Boccaccio, R. Bock, S. Boussange, A. Buta, R. Čaplar, C. Cerruti, R.J. Charity, N. Cindro, J.P. Coffin, M. Crouau, F. Daudon, J.F. Devin, P. Dupieux, J. Erö, Z.G. Fan, C. Fayard, P. Fintz, Z. Fodor, L. Fraysse, R. Freifelder, S. Frolov, E. Gimenez, Y. Grigorian, G. Guillaume, N. Herrmann, K.D. Hildenbrand, S. Hölbling, F. Hornecker, A. Houari, S.C. Jeong, M. Jorio, F. Jundt, J. Kecskeméti, P. Koncz, Y. Korchagin, R. Kotte, M. Krämer, C. Kuhn, A. Lebedev, I. Legrand, C.F. Maguire, V. Manko, M. Marquardt, T. Matulewicz, S. Mayade, G. Mgebrishvili, J. Mösner, D. Moisa, G. Montarou, I. Montbel, P. Morel, W. Neubert, R. Neunlist, G. Ortlepp, D. Pelte, M. Petrovici, F. Rami, W. Reisdorf, M.A. Saettel, E. Sahuc, G. Savinel, Z. Seres, D. Schüll, B. Sikora, V. Simion, S. Smolyankin, U. Sodan, M.H. Tanaka, K.M. Teh, R. Tezkratt, B. Tischler, M. Trzaska, M.A. Vasiliev, D. Vincent, P. Wagner, J. Weinert, J.P. Wessels, T. Wienold, Z. Wilhelmi, D. Wohlfarth and A.V. Zhilin, A highly-segmented ΔE–time-of-flight wall as forward detector of the 4π-system for charged particles at the SIS/ESR accelerator A324 (1993) 156
Gobbi, B., see DØ Collaboration A324 (1993) 53
Gobbi, B., see Frabetti, P.L. A329 (1993) 62
Goforth, M., see DØ Collaboration A324 (1993) 53
Goforth, M., see Aihara, H. A325 (1993) 393

Gogru, M., see Beamont, S.P. ... A326 (1993) 313
Goldberg, H., see Abbott, B. ... A327 (1993) 319
Goldey, P.R., see Allport, P.P. ... A324 (1993) 34
Goldhaber, M., see Becker-Szendy, R. ... A324 (1993) 363
Golovanov, L., see Budagov, Yu. ... A330 (1993) 458
Golutvin, I.A., see Bychkov, V.N. ... A325 (1993) 158
Gómez, S.E., see Mayer, R.E. ... A324 (1993) 501
Gonçalves da Silva, C.E.T., see Liu Lin ... A329 (1993) 9
Gong, J.M., L. Tecchio and S. Liu, Nonlinear study of an harmonic free electron laser taking into account the space charge effect ... A328 (1993) 344
Gong Zhufang, see Xu Zizong ... A322 (1992) 239
Gonidec, A., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Gonidec, A., see Givernaud, A. ... A321 (1992) 551
Gonidec, A., see Braem, A. ... A326 (1993) 325
Gonzales, A., see Stanislaus, S. ... A323 (1992) 198
Gonzalez, E., see Adeva, B. ... A323 (1992) 109
Good, M.L., see DØ Collaboration ... A324 (1993) 53
Goodall, A., see Grässler, H. ... A323 (1992) 401
Goodall, A.M., see Bailey, J.M. ... A323 (1992) 184
Goodman, J.A., see Alexandreas, D.E. ... A328 (1993) 570
Goodrick, M.J., see Allport, P.P. ... A324 (1993) 34
Gorbunov, P., see CHARM-II Collaboration ... A325 (1993) 92
Gordienko, A.I., see Chmill, V.B. ... A326 (1993) 310
Gordon, H.A., see Aubert, B. ... A321 (1992) 467
Gordon, H.A., see DØ Collaboration ... A324 (1993) 53
Gordon, H.A., see Aubert, B. ... A325 (1993) 116
Gordon, H.A., see Aihara, H. ... A325 (1993) 393
Gordon, H.A., see RD3 Collaboration ... A330 (1993) 405
Goret, B., see Anassontzis, E.G. ... A323 (1992) 351
Gorfine, G., see Anghinolfi, F. ... A326 (1993) 365
Gorini, B., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Goritchev, P., see Chen, M. ... A327 (1993) 187
Gorke, H., see Pinotti, E. ... A326 (1993) 85
Gorn, W., see Allport, P.P. ... A324 (1993) 34
Gorn, W., see Baines, J.T.M. ... A325 (1993) 271
Górniak, W., see Goworek, T. ... A321 (1992) 560
Gorshkov, V.A., see Andreyev, A.N. ... A330 (1993) 125
Gorski, T., see Panescu, D. ... A330 (1993) 475
Gospodinov, M.M., see Milenov, T.I. ... A322 (1992) 363
Gospodinov, M.M., see Milenov, T.I. ... A322 (1992) 368
Gosset, L., see Aubert, B. ... A321 (1992) 467
Gosset, L., see Aubert, B. ... A325 (1993) 116
Gosset, L., see RD3 Collaboration ... A330 (1993) 405
Gössling, C., see Munday, D. ... A326 (1993) 100
Gössling, C., see Anghinolfi, F. ... A326 (1993) 365
Gostilo, V.V., Low-noise electronics for semiconductor detectors ... A322 (1992) 566
Goth, G.W., see Colonna, N. ... A321 (1992) 529
Götz, B., see Kunst, T. ... A324 (1993) 127
Goudour, J.P., see Ball, J. ... A327 (1993) 308
Goujon, D., see Bay, A. ... A321 (1992) 119
Gould, C.R., see Triple Collaboration ... A326 (1993) 549
Goulianos, K., see Hauser, J. ... A321 (1992) 497
Goulianos, K., see Demortier, L. ... A324 (1993) 77
Goulianos, K., see Apollinari, G. ... A324 (1993) 475
Gourlay, J.A., see Sims, M.R. ... A329 (1993) 329
Gourlay, S., see Frabetti, P.L. ... A329 (1993) 62
Goviaka, A.P., see Danilova, T.V. ... A323 (1992) 104
Goworek, T., W. Górniak and J. Wawryszczuk, The sources of distortions and errors in the analysis of positron lifetime spectra ... A321 (1992) 560

Grab, C., see Yadigaroglu, I. A323 (1992) 322
Grab, C., see Eichenberger, S. A323 (1992) 532
Grab, C., see Wolff, Th. A323 (1992) 537
Gracco, V., see Boštjančič, B. A323 (1992) 363
Gräf, H.-D., see Stascheck, A. A321 (1992) 13
Graf, N., see DØ Collaboration A324 (1993) 53
Graf, N., see Aihara, H. A325 (1993) 393
Gramegna, F., see Iori, I. A325 (1993) 458
Granada, J.R., see Mayer, R.E. A324 (1993) 501
Grannis, P.D., see DØ Collaboration A324 (1993) 53
Grannis, P.D., see Aihara, H. A325 (1993) 393
Grant, S.M., see Sumner, T.J. A322 (1992) 514
Grassi, D., Z. Hu, F. Murolo, E. Perillo, E. Rosato, G. Spadaccini and M. Vigilante, Preliminary tests on a HgI_2 microstrip detector with analog readout proposed as PSD in a Bragg X-ray spectrometer A322 (1992) 449
Grassi, M., see MACRO Collaboration A324 (1993) 337
Grässler, H., see Bailey, J.M. A323 (1992) 184
Grässler, H., M. Hohlmann, G. Kemmerling, S. Masson, W. Pilgram, R. Schulte, W. Struczinski, J.M. Bailey, G.A. Beck, S. Burke, J.B. Dainton, E. Gabathuler, D. Gillespie, A. Goodall, R. Martin, S.J. Maxfield, S.J. McMahon, J.M. Morton, G.D. Patel, D.P.C. Sankey, L.A. Womersley, S. Kolya, D. Clarke, P.S. Flower, D. Hill and R. Marshall, Electron identification in the H1 radial wire drift chambers A323 (1992) 401
Grassmann, H., see Bisello, D. A325 (1993) 446
Grasso, A., see Balestra, F. A323 (1992) 523
Grau Carles, A., L. Rodriguez Barquero and A. Grau Malonda, Standardization of ^{14}C and ^{35}S mixtures A325 (1993) 234
Grau Malonda, A., see Grau Carles, A. A325 (1993) 234
Graw, G., see Düren, M. A322 (1992) 13
Gray, R., see Beaumont, S.P. A321 (1992) 172
Greaves, G.N., see Bras, W. A326 (1993) 587
Grebenyuk, A., see Axen, D. A328 (1993) 472
Grecescu, M., see Aroua, A. A321 (1992) 298
Grecescu, M., see Aroua, A. A321 (1992) 305
Grecescu, M., see Aroua, A. A321 (1992) 312
Green, D., see Beretvas, A. A329 (1993) 50
Green, D.R., see DØ Collaboration A324 (1993) 53
Green, J., see DØ Collaboration A324 (1993) 53
Green, P., see MACRO Collaboration A324 (1993) 337
Green, P.E.W., see Barber, D.P. A329 (1993) 79
Green, P.W., see Cairns, E.B. A321 (1992) 109
Green, S., see Koohi-Fayeghi, R. A329 (1993) 269
Greenberg, J.S., see Kaloskamis, N.I. A330 (1993) 447
Greeniaus, L.G., see Cairns, E.B. A321 (1992) 109
Greenlee, H., see DØ Collaboration A324 (1993) 53
Greenwald, Z., see Rubin, D.L. A330 (1993) 12
Grégoire, G., see CHARM-II Collaboration A325 (1993) 92
Grein, H., see Matulewicz, T. A325 (1993) 216
Greiner, L., see Crawford, H. A323 (1992) 424
Greiner, L., see Hasebe, N. A325 (1993) 335
Gressmann, H., see Barber, D.P. A329 (1993) 79
Greulich, N., see Hickmann, U. A321 (1992) 216
Gribov, I.V., see Alimov, A.S. A326 (1993) 391
Grieser, M., H. Deitinghoff, D. Habs, R. von Hahn, E. Jaeschke, C.-M. Kleffner, V. Kössler, S. Papureanu, R. Repnow, M.-H. Rhee, D. Schwalm and A. Schempp, Upgrading of the Heidelberg accelerator facility with a new high current injector A328 (1993) 160
Grieser, M., see von Hahn, R. A328 (1993) 270
Griesmayer, E., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Grigorian, Y., see Gobbi, A. A324 (1993) 156
Grigoriev, E., see CHARM-II Collaboration A325 (1993) 92
Grigoriev, V., see Bondarenko, V. A327 (1993) 386
Grill, R., see Höschl, P. A322 (1992) 371
Grillo, A., see MACRO Collaboration A324 (1993) 337
Gringauz, K., see Pearson, J.F. A325 (1993) 578

Gronberg, J., see Alexander, J.P. ... A326 (1993) 243
Groom, D.E., see Beretvas, A. ... A329 (1993) 50
Groshev, V.R., see Baru, S.E. ... A323 (1992) 151
Grosnick, D., see Ball, J. ... A327 (1993) 308
Groß, A., see EDDA Collaboration ... A329 (1993) 151
Gross, E., see Bingefors, N. ... A328 (1993) 447
Groß-Hardt, R., see EDDA Collaboration ... A329 (1993) 151
Grosse, E., see Matulewicz, T. ... A325 (1993) 216
Grosse, E., see Senger, P. ... A327 (1993) 393
Grosse, G., see Solé, V.A. ... A329 (1993) 418
Grosshög, G., see Hoek, M. ... A322 (1992) 248
Grossmann-Handschin, M., K.-D. Groth, P. Hawelka, J. Hofmann, B. Krause, N. Lordong, F. Muheim, S. Playfer and P. Wintz, A radial projection drift chamber using a CO_2–iC_4H_{10} gas mixture ... A327 (1993) 378
Grote, H., see CHARM-II Collaboration ... A325 (1993) 92
Groth, K.-D., see Grossmann-Handschin, M. ... A327 (1993) 378
Groves, T., see Herrup, D.A. ... A329 (1993) 470
Grudberg, P., see DØ Collaboration ... A324 (1993) 53
Gruhn, C.R., see Crawford, H. ... A323 (1992) 424
Gruwe, M., see Bähr, J. ... A324 (1993) 145
Guan Xialing, Qin Jiuchang, Yang Bingfan, Zhang Canzhe, Yu Yunfeng, Du Xueren and Ge Jiyun, The first five years' experience with the HI-13 tandem accelerator at CIAE ... A328 (1993) 34
Guarino, F., see Ambrosio, M. ... A321 (1992) 609
Guarino, F., see MINI Collaboration ... A324 (1993) 330
Guarino, F., see MACRO Collaboration ... A324 (1993) 337
Guazzoni, P., see Caccia, M. ... A321 (1992) 348
Guesewell, D., see Adeva, B. ... A323 (1992) 109
Guglielmi, A., see Bitter, T. ... A321 (1992) 284
Guglielmi, A., A transport matrix for cold neutron beams propagated in neutron guides ... A325 (1993) 241
Guglielmi, L., see Anassontzis, E.G. ... A323 (1992) 351
Guicheney, C., see Brandl, B. ... A324 (1993) 307
Guida, J.A., see DØ Collaboration ... A324 (1993) 53
Guida, J.A., see Aihara, H. ... A325 (1993) 393
Guida, J.M., see DØ Collaboration ... A324 (1993) 53
Guida, J.M., see Aihara, H. ... A325 (1993) 393
Guida, M., see MINI Collaboration ... A324 (1993) 330
Guillaume, G., see Gobbi, A. ... A324 (1993) 156
Guillot, J., see Laurent, H. ... A326 (1993) 517
Gumplinger, P., see CPLEAR Collaboration ... A321 (1992) 458
Günzel, T.F., see Chen, W. ... A326 (1993) 273
Guo, Z., see Liu, G. ... A322 (1992) 243
Gupta, M.K., see Sabharwal, S.C. ... A329 (1993) 179
Gurd, D., see Axen, D. ... A328 (1993) 472
Gurov, G.G., see Baranov, V.T. ... A328 (1993) 413
Guryn, W., see DØ Collaboration ... A324 (1993) 53
Guryn, W., see Aihara, H. ... A325 (1993) 393
Gusev, L., see Chen, M. ... A327 (1993) 187
Guss, C., see Albee, M. ... A325 (1993) 429
Gustafson, R., see Beretvas, A. ... A329 (1993) 50
Gustafsson, M., see Duong, H.T. ... A325 (1993) 465
Gustavino, C., see MACRO Collaboration ... A324 (1993) 337
Gutay, L.G., see Adeva, B. ... A323 (1992) 109
Gutsche, M., see Kraus, H. ... A326 (1993) 172
Guttridge, P.R., see Sims, M.R. ... A329 (1993) 329
Guyonnet, J.L., see French, M. ... A324 (1993) 511
Guz, Yu.P., Yu.M. Ivanyushenkov and V.V. Kostyuhin, Multidrift module simulation ... A323 (1992) 315
Gys, T., see D'Ambrosio, C. ... A322 (1992) 20

Haase, D.G., see Triple Collaboration ... A326 (1993) 549
Haase, G., D. Tait and A. Wiechen, Monte Carlo simulation of several gamma-emitting source and detector arrangements for determining corrections of self-attenuation and coincidence summation in gamma-spectrometry ... A329 (1993) 483

Haba, J., see Terunuma, N. A323 (1992) 471
Haber, C., see Bacchetta, N. A324 (1993) 284
Haberer, Th., W. Becher, D. Schardt and G. Kraft, Magnetic scanning system for heavy ion therapy A330 (1993) 296
Habig, A., see Levin, D.S. A322 (1992) 101
Habig, A., see MACRO Collaboration A324 (1993) 337
Habs, D., see Grieser, M. A328 (1993) 160
Habs, D., see von Hahn, R. A328 (1993) 270
Hackenburg, R.W., see Etkin, A. A323 (1992) 224
Hackett, E.D., see Cairns, E.B. A321 (1992) 109
Hackmann, R., see Crystal Barrel Collaboration A321 (1992) 69
Haddock, R., see Crystal Barrel Collaboration A321 (1992) 69
Hadley, N., see Aihara, H. A325 (1993) 393
Hadley, N.J., see DØ Collaboration A324 (1993) 53
Haeberli, W., see Roberts, A.D. A322 (1992) 6
Haeberli, W., see Düren, M. A322 (1992) 13
Haeberli, W., see Price, J.S. A326 (1993) 416
Haeberli, W., see Ross, M.A. A326 (1993) 424
Haelen, T., see Ueno, K. A323 (1992) 601
Hage-Ali, M. and P. Siffert, Status of semi-insulating cadmium telluride for nuclear radiation detectors A322 (1992) 313
Hage-Ali, M., see Mergui, S. A322 (1992) 375
Hage-Ali, M., see Mergui, S. A322 (1992) 381
Hagemann, J., see Biebel, O. A323 (1992) 169
Haggerty, H., see DØ Collaboration A324 (1993) 53
Haggerty, H., see Aihara, H. A325 (1993) 393
Haggerty, J.S., see Atiya, M.S. A321 (1992) 129
Hagopian, S., see DØ Collaboration A324 (1993) 53
Hagopian, V., see Beretvas, A. A329 (1993) 50
Hahn, B., see Streubel, G. A322 (1992) 57
Hahn, F., see Anassontzis, E.G. A323 (1992) 351
Haider, S., see Anassontzis, E.G. A323 (1992) 351
Haines, T.J., see Becker-Szendy, R. A324 (1993) 363
Haines, T.J., see Alexandreas, D.E. A328 (1993) 570
Haji Wood, A.K., see Yonezawa, C. A329 (1993) 207
Håkansson, K. and R. Hellborg, Final version of the pick-up wheels in the Pelletron tandem accelerator at Lund A328 (1993) 183
Hall, B.J., see Sidky, M.H. A330 (1993) 195
Hall, C.J., see Bras, W. A326 (1993) 587
Hall, G., see Gill, K. A322 (1992) 177
Hall, G., see Bingefors, N. A326 (1993) 112
Hall, G., D. Vitè and R. Wheadon, Calculation of the geometrical capacitance of silicon microstrip structures using a variational approach A326 (1993) 228
Hall, G., see Braem, A. A326 (1993) 325
Hall, R., see DØ Collaboration A324 (1993) 53
Haller, E.E., see Shutt, T. A326 (1993) 166
Haller, G., see Axen, D. A328 (1993) 472
Hallgren, A., see Boštjančič, B. A323 (1992) 363
Hallgren, B., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Hallin, E.L., see Vogt, J.M. A324 (1993) 198
Hallman, T.J., see Etkin, A. A323 (1992) 224
Halverson, P.G., see Becker-Szendy, R. A324 (1993) 363
Hama, H., S. Takano and G. Isoyama, Control of the bunch length on an electron storage ring A329 (1993) 29
Hamburger, R.O., see Hyder, H.R.McK. A328 (1993) 126
Hamer, B., see Alfter, I. A321 (1992) 506
Hamilton, V., see Axen, D. A328 (1993) 472
Hammann, E., see Dollinger, G. A328 (1993) 168
Hammarstrom, R., see Allport, P.P. A324 (1993) 34
Hammer, H., see Crystal Barrel Collaboration A321 (1992) 69
Hammouda, B., Multidisk neutron velocity selectors A321 (1992) 275
Hampel, W., see Wink, R. A329 (1993) 541
Hanada, H., see Masuda, K. A327 (1993) 134

Hanaoka, K., Y. Funakoshi, H. Hayano, T. Higo and K. Satoh, Beam instability due to higher-order modes of APS cavities in the Tristan accumulation ring A329 (1993) 16
Hanaoka, R., R. Ishibashi, M. Kasama, A. Uchiyama and A. Kawaguchi, Pre-breakdown current in liquid nitrogen under dc nonuniform field A327 (1993) 107
Handel, J., see Levin, D.S. A322 (1992) 101
Hanelt, E. and K.-H. Schmidt, A method for calculating phase-space densities in ion-optical systems A321 (1992) 434
Haninger, T., see Kim, Y.S. A329 (1993) 403
Hanna, D., see Behrens, U. A323 (1992) 611
Hanna, D. and J.W. Mitchell, A laser pulse stretcher made from optical fibres A324 (1993) 14
Hanneborg, A., see Evensen, L. A326 (1993) 136
Hansl-Kozanecka, T., see Batignani, G. A326 (1993) 183
Hanson, G.G., see Allport, P.P. A324 (1993) 34
Hanson, J., see MACRO Collaboration A324 (1993) 337
Hansroul, M., see Biebel, O. A323 (1992) 169
Hao, W., see Bencheikh. B. A323 (1992) 398
Happ, T., see Evensen, L. A326 (1993) 136
Happek, U., see Blum, E.B. A321 (1992) 415
Hara, K., see Miyahara, H. A324 (1993) 219
Harada, H., H. Takahashi, K. Konashi and N. Sasao, Incineration of ^{90}Sr and ^{137}Cs by an inertial fusion target A322 (1992) 286
Harar, S., see Lanzanó, G. A323 (1992) 694
Hardek, T., see Neuffer, D. A321 (1992) 1
Harder, J.A., see Smith, G.C. A323 (1992) 78
Harding, D.J., see Frabetti, P.L. A329 (1993) 62
Hari, Y., see Ueda, Y. A330 (1993) 140
Harihar, P., W.J. Stapor, A.B. Campbell, A.R. Knudson, J. Cutchin and C.C. Blatchley, Nuclear spectroscopy using risetimes in cerussite scintillator A322 (1992) 40
Harr, R., see Brenner, R. A326 (1993) 189
Harr, R., see Brenner, R. A326 (1993) 198
Harrison, J., see Axen, D. A328 (1993) 472
Harrison, P., see Court, G.R. A324 (1993) 433
Hart, G., see Stanislaus, S. A323 (1992) 198
Hart, J., see Baines, J.T.M. A325 (1993) 271
Hart, J.C., see EHIT Collaboration A323 (1992) 407
Hart, M., see Berman, L.E. A321 (1992) 617
Hart, M., see Berman, L.E. A329 (1993) 555
Hartill, D., see Rubin, D.L. A330 (1993) 12
Hartjes, F.G., see Adeva, B. A323 (1992) 109
Hartmann, B., see Irnich, H. A323 (1992) 580
Hartmann, F.-J., see Kim, Y.S. A329 (1993) 403
Hasebe, N., H. Moriya, T. Doke, J. Kikuchi, T. Kashiwagi, S. Kataoka, T. Shino, K. Itsumi, T. Hayashi, T. Yanagimachi, A. Nakamoto, H. Murakami, K. Nagata, H.J. Crawford, J.M. Engelarge, I. Flores and L. Greiner, Improvement of mass resolution of cosmic ray nuclei using a $\Delta E \times E$ Si detector telescope A325 (1993) 335
Hasegawa, K., see Masuda, K. A327 (1993) 134
Hasegawa, K.-i., see Urano, T. A327 (1993) 529
Hasegawa, Y., H. Yuta, F. Suekane, T. Kondo, Y. Unno, H. Iwasaki, Y. Sakai, Y. Watanabe, T. Tanimori, K. Kaneyuki, L. Soso, T. Doke, A. Hitachi, T. Ito, K. Hasuike, K. Masuda, E. Shibamura and T. Takahashi, Photoionization of dopants in liquid argon–xenon mixture A327 (1993) 57
Hasegawa, Y., see Masuda, K. A327 (1993) 134
Hashimoto, O., see Lee, L. A327 (1993) 287
Hastings, J.B., see Berman, L.E. A329 (1993) 555
Hasuike, K., see Hasegawa, Y. A327 (1993) 57
Hasuike, K., see Ishida, N. A327 (1993) 152
Hatano, Y., see Sasaki, H. A321 (1992) 180
Hatano, Y., see Shinsaka, K. A327 (1993) 7
Hatano, Y., see Shinsaka, K. A327 (1993) 15
Hattori, T., see Tomizawa, M. A326 (1993) 399
Hauducoeur, A., see Mathy, F. A322 (1992) 615
Hauff, D., see Bischoff, A. A326 (1993) 27
Hauff, D., see Pinotti, E. A326 (1993) 85
Hauff, D., see Bräuninger, H. A326 (1993) 126

Hauff, D., see Batignani, G. A326 (1993) 183
Hauff, D., see Lechner, P. A326 (1993) 284
Haughian, J.M., see Aihara, H. A325 (1993) 393
Hauschild, M., see Biebel, O. A323 (1992) 169
Hauser, J., M. Lindgren, Th. Müller, D. Neuberger, M. Albrow, G. Drake, J. Freeman, D.H. Kim, P.J. Limon, Y. Fukui, M. Mishina, V. Barnes, A. Laasenen, P. de Barbaro, A. Bodek, H.S. Budd, Q. Fan, W.K. Sakumoto, B. Winer, G. Apollinari, K. Goulianos, Q.F. Wang, S. White and C. Pauletta, A scintillating fiber detector for electron and photon identification at high luminosity colliders A321 (1992) 497
Häusser, O., see Barber, D.P. A329 (1993) 79
Hawelka, P., see Grossmann-Handschin, M. A327 (1993) 378
Hawkesworth, M.R., see Parker, D.J. A326 (1993) 592
Hayakawa, K., see Hirai, Y. A327 (1993) 256
Hayakawa, T., see Nagashima, Y. A328 (1993) 338
Hayano, H., see Hanaoka, K. A329 (1993) 16
Hayashi, E., see Apollinari, G. A324 (1993) 475
Hayashi, K., see Yamada, Y. A330 (1993) 64
Hayashi, T., see Hasebe, N. A325 (1993) 335
Hayashida, K., see Tsunemi, H. A321 (1992) 629
Haynes, D.L., see Alton, G.D. A328 (1993) 325
Hazen, E., see MACRO Collaboration A324 (1993) 337
Hazen, E., see Becker-Szendy, R. A324 (1993) 363
Hebbeker, T., see Bagnaia, P. A324 (1993) 101
Heber, O., see Kella, D. A329 (1993) 440
Heck, W., see Baechler, J. A324 (1993) 449
Heddle, D.P., see Engwall, D.A. A324 (1993) 409
Hedin, D., see DØ Collaboration A324 (1993) 53
Heijkenskjöld, F., see Kastberg, A. A324 (1993) 23
Heijne, E.H.M., see Munday, D. A326 (1993) 100
Heijne, E.H.M., see Anghinolfi, F. A326 (1993) 365
Heimberg, P., see v. Przewoski, B. A328 (1993) 435
Heime, K., see Karpinski, W. A323 (1992) 635
Heinemann, B., see Pierschel, M. A326 (1993) 304
Heinrich, J.G., see Anderson, W.S. A323 (1992) 273
Heinsius, F., see Crystal Barrel Collaboration A321 (1992) 69
Heinson, A.P. and D. Rowe, A comparison of CF_4 + hydrocarbon fast gases for drift chambers and straw tubes A321 (1992) 165
Heintze, J., see Brecht, D. A323 (1992) 60
Heintze, J., see Beusch, W. A323 (1992) 373
Heinz, R., see MACRO Collaboration A324 (1993) 337
Hellborg, R., see Dymnikov, A. A328 (1993) 164
Hellborg, R., see Håkansson, K. A328 (1993) 183
Hellborg, R., see Dymnikov, A. A330 (1993) 323
Hellborg, R., see Dymnikov, A. A330 (1993) 343
Helleboid, J.-M., The behaviour of the charging system of the Vivitron for the first voltage tests A328 (1993) 72
Helleboid, J.-M., Initial commissioning of the HV electrostatic generator for the Vivitron project A328 (1993) 76
Heller, R., see Deiters, K. A323 (1992) 162
Helmer, R.G., γ-ray energies for calibration from the decay of ^{161}Tb, ^{172}Hf + ^{172}Lu, and ^{241}Am A330 (1993) 434
Hemmi, Y., see Yamada, Y. A330 (1993) 64
Henderson, R., see Barber, D.P. A329 (1993) 79
Henderson, S., see Alexander, J.P. A326 (1993) 243
Henning, W., see Matulewicz, T. A325 (1993) 216
Henning, W., see Senger, P. A327 (1993) 393
Henrard, P., see Brandl, B. A324 (1993) 307
Herbst, I., see Anassontzis, E.G. A323 (1992) 351
Hermon, H., M. Roth and M. Schieber, Improved technique for HgI_2 crystal growth A322 (1992) 432
Hermon, H., M. Roth and M. Schieber, Electrical charge transport properties of HgI_2 intercalated with hydrocarbons and/or doped with excess mercury and iodine A322 (1992) 442
Herrmann, G., see Hickmann, U. A321 (1992) 216
Herrmann, N., see Gobbi, A. A324 (1993) 156
Herrmann, N., see Matulewicz, T. A325 (1993) 216

Herrup, D.A., L. Chapman, A. Franck, T. Groves and B. Lublinsky, A feedback microprocessor for hadron colliders ... A329 (1993) 470
Hershcovitch, A.I. and A.E. Kponou, Backscattering of electrons in EBIS collectors ... A330 (1993) 144
Hervas, L., see Caldwell, A. ... A321 (1992) 356
Hervás, L., see Caldwell, A. ... A330 (1993) 389
Hervé, A., see Bakker, F. ... A330 (1993) 44
Herz, W., see Forker, M. ... A327 (1993) 456
Hess, F., see Chen, W. ... A326 (1993) 273
Hess, R., see Ahmidouch, A. ... A326 (1993) 538
Hess, R., see Ball, J. ... A327 (1993) 308
Hessey, N.P., see Crystal Barrel Collaboration ... A321 (1992) 69
Heuer, D., Management of different data types encountered in the analysis of nuclear physics experiments in the DALI development package ... A324 (1993) 569
Heuer, R.-D., see Biebel, O. ... A323 (1992) 169
Heuring, T., see DØ Collaboration ... A324 (1993) 53
Heusser, G., see Wink, R. ... A329 (1993) 541
Heyes, W.G., see Court, G.R. ... A324 (1993) 433
Hickmann, U., N. Greulich, N. Trautmann and G. Herrmann, Preparation of thin counting samples by volatilization–condensation ... A321 (1992) 216
Hiddleston, J.W., see EHIT Collaboration ... A323 (1992) 407
Hiebert, J., see Supek, I. ... A324 (1993) 19
Hietanen, I., see Brenner, R. ... A326 (1993) 189
Higashi, A., see Lee, L. ... A327 (1993) 287
Higashi, Y., see Ueno, K. ... A323 (1992) 601
Higo, T., see Hanaoka, K. ... A329 (1993) 16
Higuchi, M., see Masuda, K. ... A327 (1993) 134
Hijzen, E.A., see Schooneveld, E.M. ... A326 (1993) 263
Hildenbrand, K.D., see Gobbi, A. ... A324 (1993) 156
Hill, D., see Bailey, J.M. ... A323 (1992) 184
Hill, D., see Grässler, H. ... A323 (1992) 401
Hill, G., see Beaumont, S.P. ... A321 (1992) 172
Hill, J., see Allport, P.P. ... A324 (1993) 34
Hill, J.C., see Allport, P.P. ... A324 (1993) 34
Hill, J.C., see Baines, J.T.M. ... A325 (1993) 271
Hill, P., Conceptual design of a beta sensitive photoelectron spectrometer, Nucl. Instr. and Meth. A317 (1992) 185–193 (*Erratum*) ... A324 (1993) 614
Hiller, K., see Bähr, J. ... A324 (1993) 145
Hillier, S.J., see Baines, J.T.M. ... A325 (1993) 271
Hilscher, D., see Pausch, G. ... A322 (1992) 43
Himi, S., see Kubota, S. ... A327 (1993) 71
Hinode, F., see Yamada, Y. ... A330 (1993) 64
Hinterberger, F. and D. Prasuhn, The synchrotron beam emittance with internal targets ... A321 (1992) 453
Hinterberger, F., see EDDA Collaboration ... A329 (1993) 151
Hirai, Y., I. Waki, K. Hayakawa, K. Kuroishi, Y. Yasaka, N. Kanaya, Y. Satow and S. Sato, Design and performance of beamline BL-8 at the photon factory ... A327 (1993) 256
Hiramoto, K. and M. Nishi, Resonant beam extraction scheme with constant separatrix ... A322 (1992) 154
Hirano, A., see Tsunemi, H. ... A321 (1992) 629
Hiratate, Y., see Shoji, T. ... A322 (1992) 324
Hirose, T., see Takasaki, F. ... A322 (1992) 211
Hirosky, R., see DØ Collaboration ... A324 (1993) 53
Hirosky, R., see Aihara, H. ... A325 (1993) 393
Hirosky, R.J., see Blazey, G.C. ... A327 (1993) 141
Hishida, M., see Suzuki, M. ... A327 (1993) 67
Hishida, M., see Kubota, S. ... A327 (1993) 71
Hitachi, A., see Ichinose, H. ... A322 (1992) 216
Hitachi, A., Photon-mediated and collisional processes in liquid rare gases ... A327 (1993) 11
Hitachi, A., see Hasegawa, Y. ... A327 (1993) 57
Hitachi, A., see LaVerne, J.A. ... A327 (1993) 63
Hitachi, A., see Ishida, N. ... A327 (1993) 152
Hitachi, A., see Chen, M. ... A327 (1993) 187
Hitlin, D., see Axen, D. ... A328 (1993) 472

Ho, L.L., see Wolin, E.J. A329 (1993) 493
Ho, Y.H., see Ueno, K. A323 (1992) 601
Hobbs, J.D., see Allport, P.P. A324 (1993) 34
Hobbs, J.D., K.J. anderson, S.W. Gensler, J. Kroll, F.S. Merritt, H.H. Nguyen, M.J. Oreglia, J.E. Pilcher, J.M. Roney, M.W. Redmond, H. Sanders, W.S. Schappert and D. Strom, A modular electronic readout system for the OPAL electromagnetic presampler A325 (1993) 494
Hodges, T., see Axen, D. A328 (1993) 472
Hodgson, J., see Axen, D. A328 (1993) 472
Hoek, M., N.S. Garis and G. Grosshög, Simulation of the neutron and proton transport in the 14 MeV neutron time-of-flight spectrometer, TANSY A322 (1992) 248
Hoek, M., Monte Carlo calculations of efficiency, resolution, and response functions for the new neutron time-of-flight spectrometer at JET A323 (1992) 656
Hoeneisen, B., see Anderson, D.F. A323 (1992) 626
Hoffman, C.M., see Alexandreas, D.E. A328 (1993) 570
Hoffmann, B., see Bähr, J. A324 (1993) 145
Hoffmann, B., see Bähr, J. A330 (1993) 103
Hoffmann, M., see Baechler, J. A324 (1993) 449
Hoffstätter, G.H. and H. Rose, Gauge invariance in the eikonal method A328 (1993) 398
Hofman, G.J., J.T. Brack, P.A. Amaudruz and G.R. Smith, Left–right resolution in high magnetic fields for the CHAOS inner drift chamber A325 (1993) 384
Hofmann, J., see Grossmann-Handschin, M. A327 (1993) 378
Hofmann, P., see Kim, Y.S. A329 (1993) 403
Hofmann, W., see Brecht, D. A323 (1992) 60
Hoftun, J., see DØ Collaboration A324 (1993) 53
Hoftun, J.S., see Aihara, H. A325 (1993) 393
Hogan, G., see Stanislaus, S. A323 (1992) 198
Høgh, T.S., see Bingefors, N. A326 (1993) 112
Hohlmann, M., see Bailey, J.M. A323 (1992) 184
Hohlmann, M., see Grässler, H. A323 (1992) 401
Hojvat, C., see Beretvas, A. A329 (1993) 50
Hölbling, S., see Gobbi, A. A324 (1993) 156
Hölker, G., see Berger, F. A321 (1992) 152
Holl, B., see Baines, J.T.M. A325 (1993) 271
Holl, P., see Bischoff, A. A326 (1993) 27
Holl, P., see Pinotti, E. A326 (1993) 85
Holl, P., see Bräuninger, H. A326 (1993) 126
Holl, P., see Batignani, G. A326 (1993) 183
Holl, P., see Vacchi, A. A326 (1993) 267
Holl, P., see Chen, W. A326 (1993) 273
Holl, P., see Lechner, P. A326 (1993) 284
Holland, A.D., The effect of bulk traps in proton irradiated EEV CCDs A326 (1993) 335
Hollander, R.W., see Okx, W.J.C. A323 (1992) 466
Hollander, R.W., see Dorenbos, P. A325 (1993) 367
Hollander, R.W., see Schooneveld, E.M. A326 (1993) 263
Holm, L., see Cairns, E.B. A321 (1992) 109
Holmes, A.J.T., see Proudfoot, G. A328 (1993) 47
Holt, R.J., see Gilman, R. A327 (1993) 277
Holt, S.S., see McCammon, D. A326 (1993) 154
Holzmann, R., see Matulewicz, T. A325 (1993) 216
Holzscheiter, K., see Sullivan, J.P. A324 (1993) 441
Holzscheiter, K., see Barberis, E. A326 (1993) 373
Homeyer, H., see Pausch, G. A322 (1992) 43
Honda, K., see Shinsaka, K. A327 (1993) 15
Hong, J.T., see MACRO Collaboration A324 (1993) 337
Honjo, Y., see Futami, Y. A326 (1993) 513
Honma, A., see Axen, D. A328 (1993) 472
Honoré, P.F., see Anassontzis, E.G. A323 (1992) 351
Honscheid, K., see Alexander, J.P. A326 (1993) 243
Hoorani, H., see Bourquin, M. A325 (1993) 509
Horch, E., see Alexandreas, D.E. A328 (1993) 570
Horiki, T., see Sasaki, H. A321 (1992) 180

Horisberger, R. and D. Pitzl, A novel readout chip for silicon strip detectors with analog pipeline and digitally controlled analog signal processing A326 (1993) 92
Horisberger, R., see Bingefors, N. A328 (1993) 447
Horiuchi, N., T. Sato, Y. Murata and T. Yamano, An advanced method for enhancement of dosimetric sensitivity A324 (1993) 574
Hornecker, F., see Gobbi, A. A324 (1993) 156
Horng, C.Y., see Chou, H.P. A328 (1993) 522
Horton, L., J. Ulrichs and M. Winn, The use of multiwire proportional counters in a cosmic ray air shower experiment A325 (1993) 326
Höschl, P., P. Moravec, J. Franc, E. Belas and R. Grill, Defect equilibrium in semi-insulating CdTe(Cl) A322 (1992) 371
Hoshi, M., see Yonezawa, C. A329 (1993) 207
Hoshi, Y., see Masuda, K. A327 (1993) 134
Hosoda, N., see Takasaki, F. A322 (1992) 211
Hosono, Y., see Urano, T. A327 (1993) 529
Hou, Y., see Beaumont, S.P. A321 (1992) 172
Hou, Y., see Beaumont, S.P. A322 (1992) 472
Hou, Y., see Beaumont, S.P. A326 (1993) 313
Houari, A., see Gobbi, A. A324 (1993) 156
Houghton, P.R., see Fraser, G.W. A321 (1992) 385
Houlden, M.A., see Court, G.R. A324 (1993) 433
Houston, P., see Beaumont, S.P. A321 (1992) 172
Houston, P., see Beaumont, S.P. A322 (1992) 472
Houston, P., see Beaumont, S.P. A326 (1993) 313
Hovander, B., A. Johansson, G. Appelquist, A. Ekholm, K. Fransson and C. Bohm, A flexible IBM-PC based data acquisition system for nuclear physics experiments A325 (1993) 266
Hovander, B., see Appelquist, G. A327 (1993) 489
Howard, A.J. and W.P. Strange, Prototypical search for radioactive superheavy elements in gases A325 (1993) 224
Hrdý, J. and O. Pacherová, Properties of an inclined double crystal monochromator for synchrotron radiation A327 (1993) 605
Hrisoho, A., see Aubert, B. A325 (1993) 116
Hrisoho, A., see Brenner, R. A326 (1993) 189
Hrisoho, A., see RD3 Collaboration A330 (1993) 405
Hu, G., see Adeva, B. A323 (1992) 109
Hu, X., see Liu, G. A322 (1992) 243
Hu, Y.H., see Panescu, D. A330 (1993) 475
Hu, Z., see Grassi, D. A322 (1992) 449
Hua, P.-F., D.G. Sarantites, L.G. Sobotka, J.L. Barreto and A. Kirov, "The Tube": a simple 4π detector for enhancing channels in γ-ray spectroscopy experiments A330 (1993) 121
Hubbard, J.F., see DØ Collaboration A324 (1993) 53
Hubbeling, L., see Bingefors, N. A328 (1993) 447
Hue, R., see Anne, R. A329 (1993) 21
Huehn, T., see DØ Collaboration A324 (1993) 53
Huffer, M., see Axen, D. A328 (1993) 472
Hughes, G., see Beaumont, S.P. A321 (1992) 172
Hughes-Jones, R.E., see Baines, J.T.M. A325 (1993) 271
Humbert, R., see Allport, P.P. A324 (1993) 34
Humbert, R., see Baines, J.T.M. A325 (1993) 271
Hung, L.W., see Behrens, U. A323 (1992) 611
Hungerford III, E.V., see Langenbrunner, J. A325 (1993) 187
Hurst, R.B., see Adinolfi, M. A329 (1993) 117
Huson, R., see DØ Collaboration A324 (1993) 53
Hussein, M.S., see Pato, M.P. A328 (1993) 342
Husson, D., see Anassontzis, E.G. A323 (1992) 351
Husson, D., see Brenner, R. A326 (1993) 189
Husson, D., see Bingefors, N. A328 (1993) 447
Huston, J., see Beretvas, A. A329 (1993) 50
Huta, W., see Pagès, J.L. A321 (1992) 342
Hutcheon, D., see Cairns, E.B. A321 (1992) 109
Hutcheon, D.A., see Ramsay, W.D. A327 (1993) 265
Huthmacher, St., see Arends, J. A323 (1992) 203
Hutson, R., see Neuffer, D. A321 (1992) 1
Hütten, U., see Forker, M. A327 (1993) 456

Hutton, C., see Barbosa, F.J. ... A323 (1992) 191
Hyams, B., see Bingefors, N. ... A328 (1993) 447
Hyatt, E., see Axen, D. ... A328 (1993) 472
Hyder, H.R.McK., J. Ashenfelter, J. Baris, C.K. Bockelman and R.O. Hamburger, Development of the beam transport and control systems of the Yale ESTU tandem ... A328 (1993) 126
Hykawy, J.G., J.N. Nxumalo, P.P. Unger, C.A. Lander, R.D. Peters, R.C. Barber, K.S. Sharma and H.E. Duckworth, Precise determination of the mass difference ^{76}Ge – ^{76}Se and a derived upper limit on the Majorana mass of the electron neutrino ... A329 (1993) 423
Hykawy, J.G., see Sidky, M.H. ... A330 (1993) 195
Hylas, J., see Rubin, D.L. ... A330 (1993) 12
Hyvernage, M., see Mathy, F. ... A322 (1992) 615

Iacob, V.E., M. Parlog, A. Demian, I. Mihai, V. Zoran, L. Trache, K.W. Zimmer and C. Borcea, Optical study of stresses in the column glasses of the IPNE FN Van de Graaff tandem accelerator ... A325 (1993) 373
Iacovacci, M., see MINI Collaboration ... A324 (1993) 330
Iarocci, E., see MACRO Collaboration ... A324 (1993) 337
Iaselli, G., see MINI Collaboration ... A324 (1993) 330
Ichige, M., T. Doke, Y. Doi and Y. Yoshimura, Operating characteristics of photomultipliers at low temperature ... A327 (1993) 144
Ichige, M., see Ishida, N. ... A327 (1993) 152
Ichinose, H., T. Doke, A. Hitachi, J. Kikuchi, K. Masuda and E. Shibamura, Energy resolution for gamma-rays and electrons from ^{207}Bi in liquid Xe doped with TEA ... A322 (1992) 216
Iconomidou-Fayard, L., see Aubert, B. ... A321 (1992) 467
Iconomidou-Fayard, L., see Aubert, B. ... A325 (1993) 116
Ieiri, M., see Kobayashi, M. ... A328 (1993) 501
Ieiri, M., see Kobayashi, M. ... A330 (1993) 115
Ieiri, T., A real time bunch-length monitor using the beam spectrum and measurements of bunch lengthening ... A329 (1993) 371
Igarashi, S., see DØ Collaboration ... A324 (1993) 53
Igo-Kemenes, P., see Biebel, O. ... A323 (1992) 169
Iijima, T., see Sum, V. ... A326 (1993) 489
Ijiri, H., see Uozumi, Y. ... A324 (1993) 558
Ikeda, H., see Asano, Y. ... A325 (1993) 109
Ikeda, H., M. Ikeda, S. Inaba and M. Tanaka, A feasibility study of a data acquisition system for a silicon strip detector with a digital readout scheme ... A330 (1993) 215
Ikeda, M., see Ikeda, H. ... A330 (1993) 215
Ikeda, S., see Inoue, K. ... A327 (1993) 433
Ikuta, T., A. Osa, A. Taniguchi, H. Yamamoto and K. Kawade, Portable neutron-capture γ-ray source above 3.5 MeV with ^{252}Cf (*Letter to the Editor*) ... A323 (1992) 697
Illinger, P., see Crystal Barrel Collaboration ... A321 (1992) 69
Imel, D.A., see Wong, H.T. ... A329 (1993) 163
Inaba, S., see Ikeda, H. ... A330 (1993) 215
Inamura, T.T., see Duong, H.T. ... A325 (1993) 465
Incicchitti, A., see Belli, P. ... A327 (1993) 207
Innes, W.R., Some formulas for estimating tracking errors ... A329 (1993) 238
Innocente, V., see Adeva, B. ... A323 (1992) 109
Innocente, V., Y.F. Wang and Z.P. Zhang, Identification of tau decays using a neural network ... A323 (1992) 647
Innocente, V. and E. Nagy, Trajectory fit in presence of dense materials ... A324 (1993) 297
Inoue, G., see Lee, L. ... A327 (1993) 287
Inoue, K., T. Kanaya, Y. Kiyanagi, K. Shibata, K. Kaji, S. Ikeda, H. Iwasa and Y. Izumi, A crystal analyzer type inelastic spectrometer using the pulsed thermal neutron source ... A327 (1993) 433
Inoue, M., see Shirai, T. ... A321 (1992) 429
Inzani, P., see Ranucci, G. ... A324 (1993) 580
Inzani, P., see Frabetti, P.L. ... A329 (1993) 62
Ioannidis, G.S., see Daskalakis, G. ... A328 (1993) 495
Ioannou, P., see Anassontzis, E.G. ... A323 (1992) 351
Iordăchescu, E., see Marinescu, L. ... A328 (1993) 90
Iori, I., L. Manduci, A. Moroni, R. Scardaoni, Sun ChongWen, Zhang Yuzhao, Zhang Guangming, F. Giglio, E. Mora, G. Di Pietro, L. Dellera, A. Cortesi, R. Bassini, C. Boiano, S. Brambilla, M. Malatesta, M. Bruno, M. D'Agostino, M.L. Fiandri, E. Fuschini, P.M. Milazzo, G. Busacchi, A. Cunsolo, A. Foti, C. Gianino, G. Sava, F. Gramegna, P. Buttazzo, G.V. Margagliotti, G. Vannini, G. Auger and E. Plagnol, A multi-element detector array for heavy fragments emitted in intermediate energy nuclear reactions ... A325 (1993) 458

Iori, I., see Bassini, R. ... A327 (1993) 535
Irmscher, D., see Chen, W. ... A326 (1993) 273
Irnich, H., B. Pfreundtner, B. Hartmann and H. Wollnik, Fringing-field integrals of clamped quadrupoles ... A323 (1992) 580
Irsigler, R., see Benz, K.W. ... A322 (1992) 493
Isaeva, L.G., B.A. Lazarenko, D.M. Nikolenko, S.G. Popov, I.A. Rachek, Yu.G. Ukraintsev, E.P. Tsentalovich, B.B. Wojtsekhowski and V.V. Nelubin, Detector system for e–d scattering experiments on the VEPP-3 storage ring ... A325 (1993) 16
Isenhower, D., see Boštjančič, B. ... A323 (1992) 363
Ishibashi, R., see Hanaoka, R. ... A327 (1993) 107
Ishida, N., see Kashiwagi, T. ... A327 (1993) 148
Ishida, N., T. Doke, J. Kikuchi, K. Kuwahara, T. Kashiwagi, M. Ichige, K. Hasuike, K. Ito, S. Ben, A. Hitachi, Y.H. Qu, K. Masuda, M. Suzuki, M. Kase, T. Takahashi, M. Chen, S. Sumorok, M. Gaudreau and E. Aprile, Measurement of attenuation length of scintillation light in liquid xenon ... A327 (1993) 152
Ishida, N., see Chen, M. ... A327 (1993) 187
Ishihara, N., see Yamada, Y. ... A330 (1993) 64
Ishii, M., see Kobayashi, M. ... A328 (1993) 501
Ishii, M., see Kobayashi, M. ... A330 (1993) 115
Ishii, T., M. Shibata and S. Takeuchi, Construction of the JAERI tandem booster ... A328 (1993) 231
Ishimaru, K., see Masuda, K. ... A327 (1993) 134
Ishkhanov, B.S., see Alimov, A.S. ... A326 (1993) 391
Ishkhanov, B.S., see Alimov, A.S. ... A328 (1993) 385
Iso, H., see Masuda, K. ... A327 (1993) 134
Isoda, K., see Shinsaka, K. ... A327 (1993) 15
ISOLDE Collaboration, see Duong, H.T. ... A325 (1993) 465
Isoyama, G., see Hama, H. ... A329 (1993) 29
Isozumi, Y., see Ito, S. ... A324 (1993) 141
Isozumi, Y., see Ito, S. ... A329 (1993) 564
Ito, A.S., see DØ Collaboration ... A324 (1993) 53
Ito, A.S., see Aihara, H. ... A325 (1993) 393
Ito, H., see Katagiri, M. ... A327 (1993) 463
Ito, K., see Sasaki, H. ... A321 (1992) 180
Ito, K., see Ishida, N. ... A327 (1993) 152
Ito, M., see Atiya, M.S. ... A321 (1992) 129
Ito, S., R. Katano and Y. Isozumi, Evidence for the effect of electron diffusion on the gas amplification process in a gas-filled wire counter ... A324 (1993) 141
Ito, S., M. Tosaki, N. Maeda, R. Katano and Y. Isozumi, Behavior of the SQS mode observed as a function of the radial distance of the position of primary ionization (*Letter to the Editor*) ... A329 (1993) 564
Ito, T., see Hasegawa, Y. ... A327 (1993) 57
Ito, Y., see Minowa, M. ... A327 (1993) 612
Ito, Y., see Yonezawa, C. ... A329 (1993) 207
Itoh, S., see Asano, Y. ... A325 (1993) 109
Itsumi, K., see Hasebe, N. ... A325 (1993) 335
Ivanov, A.B., see Bychkov, V.N. ... A325 (1993) 158
Ivanov, V.A., see Danilova, T.V. ... A323 (1992) 104
Ivanyushenkov, Yu.M., see Guz, Yu.P. ... A323 (1992) 315
Iwanczyk, J.S., W.F. Schnepple and M.J. Masterson, The effect of charge trapping on the spectrometric performance of HgI_2 gamma-ray detectors ... A322 (1992) 421
Iwanczyk, J.S., Low noise, low power, miniaturized processing electronics for X-ray detectors ... A322 (1992) 543
Iwanczyk, J.S., see Cesareo, R. ... A322 (1992) 583
Iwanczyk, J.S., see Economou, T.E. ... A322 (1992) 633
Iwasa, H., see Inoue, K. ... A327 (1993) 433
Iwasaki, H., see Hasegawa, Y. ... A327 (1993) 57
Iwasaki, Y., see Masuda, K. ... A327 (1993) 134
Iwase, Y., M. Funaki, A. Onozuka and M. Ohmori, A 90 element CdTe array detector ... A322 (1992) 628
Iwashita, Y., see Shirai, T. ... A321 (1992) 429
Iyer, I.S., see Kanjilal, D. ... A328 (1993) 97
Izawa, M., see Sakanaka, S. ... A325 (1993) 1
Izumi, Y., see Inoue, K. ... A327 (1993) 433

Jacak, B.V., see Sullivan, J.P. ... A324 (1993) 441
Jackson, J., see Pile, P.H. ... A321 (1992) 48

Jackson, J.N., see Biagi, S.F. A323 (1992) 258
Jackson, R., see Brandt, A. A327 (1993) 412
Jacob, C., see Chen, W. A326 (1993) 273
Jacob, F., see Allport, P.P. A324 (1993) 34
Jacobsen, R.G., see Batignani, G. A326 (1993) 183
Jaeschke, E., see Grieser, M. A328 (1993) 160
Jaeschke, E., see von Hahn, R. A328 (1993) 270
Jagam, P. and J.J. Simpson, Measurements of Th, U and K concentrations in a variety of materials A324 (1993) 389
Jahn, R., see EDDA Collaboration A329 (1993) 151
Jain, A., Injector requirements and radial magnet condition for a steady state MIGMA A323 (1992) 671
Jain, A., H. Wang, I. Ben-Zvi, P. Paul, J.W. Noé and A. Lombardi, Fabrication and test of a superconducting RFQ A328 (1993) 251
Jalocha, P., see Bingefors, N. A326 (1993) 112
Jalocha, P., see Brenner, R. A326 (1993) 198
James, C., see Amato, S. A324 (1993) 535
James, G.D., see Bishop, C.M. A327 (1993) 580
James, K., V. Gerrish, E. Cross, J. Markakis, J. Marschall and F. Milstein, Effect of HgI_2 crystal nonuniformities on gamma-ray response A322 (1992) 390
James, R.B., see Schlesinger, T.E. A322 (1992) 414
James, R.B., X.J. Bao, T.E. Schlesinger, A.Y. Cheng, C. Ortale and L. van den Berg, Photoluminescence investigations of defects introduced during processing of mercuric iodide nuclear detectors A322 (1992) 435
Jamnik, D., see Crystal Barrel Collaboration A321 (1992) 69
Janke, T., see Barber, D.P. A329 (1993) 79
Janos, S., see Berger, C. A330 (1993) 285
Janout, Z., see Ball, J. A327 (1993) 308
Janout, Z.F., see Ball, J. A327 (1993) 308
Janssens, R.V.F., see Matulewicz, T. A325 (1993) 216
Januschewski, F., see Pierschel, M. A326 (1993) 304
Jałocha, P., see Bingefors, N. A328 (1993) 447
Jaques, J., see Abbott, B. A327 (1993) 319
Jaross, G., see Frabetti, P.L. A329 (1993) 62
Jarron, P., see Munday, D. A326 (1993) 100
Jarron, P., see Anghinolfi, F. A326 (1993) 365
Jarvis, O.N., see Adams, J.M. A329 (1993) 277
Jean, P., see Aubert, B. A321 (1992) 467
Jean, Ph., see Aubert, B. A325 (1993) 116
Jean, Ph., see RD3 Collaboration A330 (1993) 405
Jeleń, K., see Bobrowski, M. A323 (1992) 309
Jenni, P., see Aubert, B. A321 (1992) 467
Jenni, P., see Aubert, B. A325 (1993) 116
Jenni, P., see RD3 Collaboration A330 (1993) 405
Jensen, C.M., see Dunphy, P.P. A330 (1993) 199
Jeong, S.C., see Gobbi, A. A324 (1993) 156
Jeppesen, R., see Supek, I. A324 (1993) 19
Jerger, S., see Barberis, E. A326 (1993) 373
Jericha, E., see Terburg, B.P. A324 (1993) 247
Jha, V., see Kanjilal, D. A328 (1993) 97
Jimack, M., see Baines, J.T.M. A325 (1993) 271
Jiminez, M., see Allport, P.P. A324 (1993) 34
Jin, B.N., see Adeva, B. A323 (1992) 109
Jochum, J., see Kraus, H. A326 (1993) 172
Johansen, G.A. and C.B. Johnson, Operational characteristics of an electron-bombarded silicon-diode photomultiplier tube A326 (1993) 295
Johansson, A., see Hovander, B. A325 (1993) 266
Johner, H.U., see CPLEAR Collaboration A321 (1992) 458
Johns, K., see DØ Collaboration A324 (1993) 53
Johns, K., see Albee, M. A325 (1993) 429
Johns, W., see Frabetti, P.L. A329 (1993) 62
Johnson, C.B., see Johansen, G.A. A326 (1993) 295
Johnson, K.F., see Yuan, V.W. A329 (1993) 381
Johnson, M.E., see DØ Collaboration A324 (1993) 53

Johnson, M.T., see Alton, G.D. ... A328 (1993) 154
Johnson, M.T., see Alton, G.D. ... A328 (1993) 202
Jonckheere, A., see Aihara, H. ... A325 (1993) 393
Jonckheere, A.M., see DØ Collaboration ... A324 (1993) 53
Jones, B., see Beaumont, S.P. ... A322 (1992) 472
Jones, B., see Beaumont, S.P. ... A326 (1993) 313
Jones, B.K., see Beaumont, S.P. ... A321 (1992) 172
Jones, C.D., see Alexander, J.P. ... A326 (1993) 243
Jones, K.W., see Langenbrunner, J. ... A325 (1993) 187
Jones, N.L. and P.F. Dittner, Improved voltage gradient control system for electrostatic accelerators ... A328 (1993) 191
Jones, R., M. Price, M. Renevey and H. Wirth, A fast RICH detector for JETSET ... A323 (1992) 386
Jones, R.W.L., see Baines, J.T.M. ... A325 (1993) 271
Jones, T.J., see Biagi, S.F. ... A323 (1992) 258
Jones, T.J., see EHIT Collaboration ... A323 (1992) 407
Jones, T.W., see Becker-Szendy, R. ... A324 (1993) 363
Jörgens, V., see Wong, H.T. ... A329 (1993) 163
Jorio, M., see Gobbi, A. ... A324 (1993) 156
Joseph, C., see Pagès, J.L. ... A321 (1992) 342
Joseph, C., see Galumian, P. ... A327 (1993) 269
Joshi, R., see Kanjilal, D. ... A328 (1993) 97
Jostlein, H., see DØ Collaboration ... A324 (1993) 53
Joubert, A., see Bourgarel, M.P. ... A328 (1993) 321
Jousset, J., see Brandl, B. ... A324 (1993) 307
Joyce, D., see Barbosa, F.J. ... A323 (1992) 191
Joyce, D., see Barberis, E. ... A326 (1993) 373
Juda, M., see McCammon, D. ... A326 (1993) 154
Jui, C.C., see Stanislaus, S. ... A323 (1992) 198
Juillot, P., see Anassontzis, E.G. ... A323 (1992) 351
Juncar, P., see Duong, H.T. ... A325 (1993) 465
Jundt, F., see Gobbi, A. ... A324 (1993) 156
Junk, T., see Axen, D. ... A328 (1993) 472
Jury, J.W., see Vogt, J.M. ... A324 (1993) 198
Justice, R., see Frabetti, P.L. ... A329 (1993) 62

Kabachenko, A.P., see Andreyev, A.N. ... A330 (1993) 125
Kachanov, V.A., see Baryshevsky, V.G. ... A322 (1992) 231
Kadel, R.W., see Beretvas, A. ... A329 (1993) 50
Kadner, K., see Streubel, G. ... A322 (1992) 57
Kadyk, J., see Va'vra, J. ... A324 (1993) 113
Kahn, S., see DØ Collaboration ... A324 (1993) 53
Kahn, S., see Aihara, H. ... A325 (1993) 393
Kaikura, T., see Nagashima, Y. ... A328 (1993) 338
Kaiser, H., see Barber, D.P. ... A329 (1993) 79
Kaiser, R., see Barber, D.P. ... A329 (1993) 79
Kaji, K., see Inoue, K. ... A327 (1993) 433
Kajikawa, R., see Uno, S. ... A330 (1993) 55
Kalata, K., see Li, Y. ... A322 (1992) 116
Kaldis, E., see Piechotka, M. ... A322 (1992) 387
Kalinnikov, V.A., see Ball, J. ... A327 (1993) 308
Kalinowsky, H., see Crystal Barrel Collaboration ... A321 (1992) 69
Kalkanis, G., see Anassontzis, E.G. ... A323 (1992) 351
Kalmus, G.E., see Bingefors, N. ... A328 (1993) 447
Kaloskamis, N.I., K.C. Chan, A.A. Chishti, J.S. Greenberg, C.J. Lister, S.J. Freedman, M. Wolanski, J. Last and B. Utts, The trigger detector for APEX:. An array of position-sensitive NaI(Tl) detectors for the imaging of positrons from heavy-ion collisions ... A330 (1993) 447
Kamermans, R., see Bootsma, T.M.V. ... A324 (1993) 399
Kamermans, R., see van Nieuwenhuizen, G.J. ... A325 (1993) 516
Kammerlocher, H., see Behrens, U. ... A323 (1992) 611
Kämmle, B., see Crystal Barrel Collaboration ... A321 (1992) 69
Kamon, T., see Apollinari, G. ... A324 (1993) 475
Kampert, K.H., see Berger, F. ... A321 (1992) 152

Kanaya, N., see Hirai, Y. ... A327 (1993) 256
Kanaya, T., see Inoue, K. ... A327 (1993) 433
Kanazawa, M., see Tomizawa, M. ... A326 (1993) 399
Kanda, N., see Terunuma, N. ... A323 (1992) 471
Kandiah, K. and F.B. Whiting, Limits of resolution of charge sensitive detector systems ... A326 (1993) 47
Kaneko, T., see Apollinari, G. ... A324 (1993) 475
Kaneyuki, K., see Hasegawa, Y. ... A327 (1993) 57
Kaneyuki, K., see Suzuki, A. ... A329 (1993) 299
Kanjilal, D., S. Chopra, M.M. Narayanan, I.S. Iyer, V. Jha, R. Joshi and S.K. Datta, Testing and operation of the 15UD Pelletron at NSC ... A328 (1993) 97
Kaplan, D.M., M. Apolinski, W. Luebke and S.W.L. Kwan, Test of principle of an Optical Trigger for Beauty A330 (1993) 33
Kaplan, J., see Rubin, D.L. ... A330 (1993) 12
Kaplan, M., W.E. Parker, D.J. Moses, R. Lacey and J.M. Alexander, The role of reversed kinematics and double kinematic solutions in nuclear reactions studies ... A327 (1993) 551
Kapusta, P., see Bingefors, N. ... A328 (1993) 447
Kapustinsky, J.S., see Barberis, E. ... A326 (1993) 373
Karabekov, I.P. and R. Rossmanith, High accuracy beam energy measurement for linear and circular accelerators ... A321 (1992) 18
Karandikar, S.C., see Sabharwal, S.C. ... A329 (1993) 179
Karetskaya, S.P., V.M. Kel'man, A.G. Mit' and E.M. Yakushev, Mass-spectrometer with ion multiple passage of a magnetic field ... A329 (1993) 202
Karimäki, V., see Bakker, F. ... A330 (1993) 44
Karlsson, M., see Bingefors, N. ... A328 (1993) 447
Karpinski, W., T. Kubicki, K. Lübelsmeyer, M. Toporowsky, W. Wallraff, K. Heime and R. Wüller, Radiation tests on GaAs particle detectors ... A323 (1992) 635
Karsh, W., see DØ Collaboration ... A324 (1993) 53
Karsh, W., see Aihara, H. ... A325 (1993) 393
Karvelas, E., see Anassontzis, E.G. ... A323 (1992) 351
Karwowski, H.J., see Fletcher, K.A. ... A329 (1993) 197
Kasagi, J., see Futami, Y. ... A326 (1993) 513
Kasama, M., see Hanaoka, R. ... A327 (1993) 107
Kase, M., see Ishida, N. ... A327 (1993) 152
Kase, T., see Yamadera, A. ... A329 (1993) 188
Kashiwagi, T., see Hasebe, N. ... A325 (1993) 335
Kashiwagi, T., T. Doke, J. Kikuchi, N. Ishida, H. Onabe and M. Obinata, New mesh type silicon photodiode and its performance ... A327 (1993) 148
Kashiwagi, T., see Ishida, N. ... A327 (1993) 152
Kashiwagi, T., see Chen, M. ... A327 (1993) 187
Kasper, P., see Frabetti, P.L. ... A329 (1993) 62
Kasprzyk, T., see Ball, J. ... A327 (1993) 308
Kastberg, A., F. Heijkenskjöld and A. Arnesen, Stabilization of the detuning in collinear laser spectroscopy on ion beams ... A324 (1993) 23
Kasugai, Y., see Miyahara, H. ... A324 (1993) 219
Katagiri, M., M. Kishimoto, H. Ito, H. Yoshida, M. Fukushima, H. Ohkawa and T. Saruta, A nuclide-separation wire precipitator for measurement of noble-gas fission products ... A327 (1993) 463
Katano, R., see Ito, S. ... A324 (1993) 141
Katano, R., see Ito, S. ... A329 (1993) 564
Kataoka, S., see Hasebe, N. ... A325 (1993) 335
Katayama, I., see Yamazaki, T. ... A325 (1993) 489
Katayama, J., see Masuda, K. ... A327 (1993) 134
Kato, H., see Sugai, I. ... A329 (1993) 46
Katsanevas, S., see Anassontzis, E.G. ... A323 (1992) 351
Katsavounidis, E., see MACRO Collaboration ... A324 (1993) 337
Katsoufis, E., see Anassontzis, E.G. ... A323 (1992) 351
Kaufman, W.A., Solenoid and sextupole optics of ultra-cold atomic hydrogen beams ... A330 (1993) 363
Kaulard, J., see Seeliger, R. ... A323 (1992) 519
Kavadias, S., K. Misiakos, D. Loukas and E. Tsoi, On the equivalent circuit model of reverse biased diodes made on high resistivity substrates ... A322 (1992) 562
Kavadias, S., see Misiakos, K. ... A326 (1993) 38
Kawabata, S., Magnetic permeability of the iron yoke in high field superconducting magnets ... A329 (1993) 1
Kawade, K., see Ikuta, T. ... A323 (1992) 697

Kawade, K., see Miyahara, H. A324 (1993) 219
Kawaguchi, A., see Hanaoka, R. A327 (1993) 107
Kawamura, N., see Masuda, K. A327 (1993) 134
Kazarinov, Yu.M., see Ball, J. A327 (1993) 308
Kearns, E., see MACRO Collaboration A324 (1993) 337
Kecskeméti, J., see Gobbi, A. A324 (1993) 156
Keeler, R., see Axen, D. A328 (1993) 472
Keeler, R.K., see Astbury, A. A324 (1993) 461
Keeler, R.K., see Poffenberger, P.R. A327 (1993) 99
Kehoe, R., see Abbott, B. A327 (1993) 319
Kekez, D., see Ljubičić, A. A325 (1993) 545
Kella, D., M. Algranati, H. Feldman, O. Heber, H. Kovner, E. Malkin, E. Miklazky, R. Naaman, D. Zajfman, J. Zajfman and Z. Vager, A system for Coulomb explosion imaging of small molecules at the Weizmann Institute A329 (1993) 440
Kelley, R.L., see McCammon, D. A326 (1993) 154
Kel'man, V.M., see Karetskaya, S.P. A329 (1993) 202
Kelsey, M., see Axen, D. A328 (1993) 472
Kemmather, B., see Kraus, H. A326 (1993) 172
Kemmer, J., see Bischoff, A. A326 (1993) 27
Kemmer, J., see Pinotti, E. A326 (1993) 85
Kemmer, J., see Bräuninger, H. A326 (1993) 126
Kemmer, J. and G. Lutz, Concepts for simplification of strip detector design and production A326 (1993) 209
Kemmer, J., see Vacchi, A. A326 (1993) 267
Kemmer, J., see Chen, W. A326 (1993) 273
Kemmer, J., see Lechner, P. A326 (1993) 284
Kemmerling, G., see Bailey, J.M. A323 (1992) 184
Kemmerling, G., see Grässler, H. A323 (1992) 401
Kemper, K.W., see Mendez, A.J. A329 (1993) 37
Kendziorra, E., see Pinotti, E. A326 (1993) 85
Kendziorra, E., see Bräuninger, H. A326 (1993) 126
Kennedy, C.J., see Frabetti, P.L. A329 (1993) 62
Kenney, C., see Snoeys, W. A326 (1993) 144
Kerman, A.K., see Pato, M.P. A328 (1993) 342
Kern, J., see CPLEAR Collaboration A321 (1992) 458
Kernan, A., see DØ Collaboration A324 (1993) 53
Kerr, P.L., see Mendez, A.J. A329 (1993) 37
Kerth, L., see DØ Collaboration A324 (1993) 53
Kertzman, M., see Levin, D.S. A322 (1992) 101
Kesseler, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Kessler, M., see Bitter, T. A321 (1992) 284
Kesteman, J., see Anassontzis, E.G. A323 (1992) 351
Kettell, S., see Albee, M. A325 (1993) 429
Kezerashvili, G.Ya., see Arzhannikov, A.V. A321 (1992) 539
Kezerashvili, G.Ya., A.M. Milov and B.B. Wojtsekhowski, The gamma ray energy tagging spectrometer of the ROKK-2 facility at the VEPP-3 storage ring A328 (1993) 506
Khabakhpashev, A.G., see Babichev, E.A. A323 (1992) 49
Khachaturov, B.A., see Ball, J. A327 (1993) 308
Khan, L.A., see Ahmad, N. A321 (1992) 403
Khan, N., see Atiya, M.S. A321 (1992) 129
Kharitonov, A.G., see Alfimenkov, V.P. A324 (1993) 496
Khazin, B.I., see Anashkin, E.V. A323 (1992) 178
Khazins, D., see Demortier, L. A324 (1993) 77
Khazins, D., see Budagov, Yu. A330 (1993) 458
Khazins, D.M., Electronic noise calculations for a fast current amplifier with a waveguide line at its input (*Letter to the Editor*) A330 (1993) 316
Khiari, F.Z., see Naqvi, A.A. A324 (1993) 223
Khiari, F.Z., see Naqvi, A.A. A325 (1993) 574
Khludkov, S.S., see Chmill, V.B. A326 (1993) 310
Khoda-Bakhsh, R., Volume ignition of DT microspheres A330 (1993) 268
Kholodenko, A., see DØ Collaboration A324 (1993) 53

Khovansky, V., see CHARM-II Collaboration A325 (1993) 92
Khovansky, V., see Chen, M. A327 (1993) 187
Khrapak, A.G., see Schmidt, W.F. A327 (1993) 87
Khusainov, A.Kh., Cadmium telluride detectors with thermoelectric cooling A322 (1992) 335
Kiang, G.C., see Kiang, L.L. A327 (1993) 427
Kiang, L.L., R.H. Tsou, W.J. Lin, S.C. Lin, G.C. Kiang, P.K. Teng and S.D. Li, A study on T-shape Compton suppression spectrometer by Monte Carlo Simulation A327 (1993) 427
Kichimi, H., H. Sagawa, Y. Yoshimura, T. Kishida, N. Tamura, H. Suzuki and T. Taguchi, Timing characteritics of a micro-channel plate and fine mesh photomultiplier tubes in a 1 T field A325 (1993) 451
Kiel, T., see Crystal Barrel Collaboration A321 (1992) 69
Kielczewska, D., see Becker-Szendy, R. A324 (1993) 363
Kihm, T., see Brecht, D. A323 (1992) 60
Kikuchi, J., see Ichinose, H. A322 (1992) 216
Kikuchi, J., see Hasebe, N. A325 (1993) 335
Kikuchi, J., see Kashiwagi, T. A327 (1993) 148
Kikuchi, J., see Ishida, N. A327 (1993) 152
Kikuchi, J., see Chen, M. A327 (1993) 187
Kikuchi, R., see Masuda, K. A327 (1993) 134
Kikuchi, S., see Tajima, S. A326 (1993) 407
Kilian, K., see Roderburg, E. A323 (1992) 140
Kilian, K., see Dahmen, M. A323 (1992) 542
Kim, D.H., see Hauser, J. A321 (1992) 497
Kim, H., see Axen, D. A328 (1993) 472
Kim, P., see Axen, D. A328 (1993) 472
Kim, S., see Apollinari, G. A324 (1993) 475
Kim, Y.K., see Ueno, K. A323 (1992) 601
Kim, Y.S., P. Hofmann, H. Daniel, T. von Egidy, T. Haninger, F.-J. Hartmann, M.S. Lotfranaei and H.S. Plendl, A double-arm fission fragment spectrometer with PIN diode arrays A329 (1993) 403
Kimura, K., Depth-resolved dynamics of ion-tracks: correlation between VUV- and VIS-excimer luminescences from near-liquid and liquid helium irradiated with 4 MeV/amu N- and He-ions A327 (1993) 34
Kimura, K., see Nakagawa, K. A327 (1993) 60
Kimura, K., see Sakai, Y. A327 (1993) 92
Kink, W., see Pinotti, E. A326 (1993) 85
Kinney, E.R., see Gilman, R. A327 (1993) 277
Kinnunen, R., see Bakker, F. A330 (1993) 44
Kino, S., see Sasaki, H. A321 (1992) 180
Kirov, A., see Hua, P.-F. A330 (1993) 121
Kirsanov, M.A., I.M. Obodovski and Yu.P. Gangrski, Investigation of short lived isomers by liquid xenon detectors with high radiation hardness A327 (1993) 48
Kirsanov, M.A., see Pokachalov, S.G. A327 (1993) 159
Kirsch, S., see Deiters, K. A323 (1992) 162
Kirsten, T., see Wink, R. A329 (1993) 541
Kirunin, A., see DØ Collaboration A324 (1993) 53
Kisel, I., see Glazov, A. A329 (1993) 262
Kishida, T., see Kichimi, H. A325 (1993) 451
Kishimoto, M., see Katagiri, M. A327 (1993) 463
Kishimoto, T., see Lee, L. A327 (1993) 287
Kiss, Á.Z., see Bartha, L. A328 (1993) 86
Kistenev, E., see DØ Collaboration A324 (1993) 53
Kitching, P., see Atiya, M.S. A321 (1992) 129
Kitching, P., see Barber, D.P. A329 (1993) 79
Kiyanagi, Y., see Inoue, K. A327 (1993) 433
Kjaer, K., see Als-Nielsen, J. A323 (1992) 686
Kjaer, N., see Anassontzis, E.G. A323 (1992) 351
Klages, H.O., see Doll, P. A323 (1992) 327
Klamra, W., see Lindblad, Th. A324 (1993) 263
Klamra, W., see Vuillemin, V. A327 (1993) 44
Klanner, R., see Caldwell, A. A321 (1992) 356
Klanner, R., see Barber, D.P. A329 (1993) 79
Klasen, M., see Pollock, R.E. A330 (1993) 27
Klatchko, A., see DØ Collaboration A324 (1993) 53

Kleffner, C.-M., see Grieser, M. ... A328 (1993) 160
Kleffner, C.-M., see von Hahn, R. ... A328 (1993) 270
Klein, F., see Steffens, K.-H. ... A325 (1993) 378
Klein, M., see Axen, D. ... A328 (1993) 472
Klein, M., see Blümlein, J. ... A329 (1993) 112
Klein, P., see Bischoff, A. ... A326 (1993) 27
Klein, P., see Lechner, P. ... A326 (1993) 284
Klein, P., see Beha, T. ... A326 (1993) 386
Klein, S., see MACRO Collaboration ... A324 (1993) 337
Kleinfelder, S.A., see Bacchetta, N. ... A324 (1993) 284
Kleinwort, C., see Baines, J.T.M. ... A325 (1993) 271
Klempt, E., see Crystal Barrel Collaboration ... A321 (1992) 69
Klempt, W., see Anassontzis, E.G. ... A323 (1992) 351
Klemt, E., see Bitter, T. ... A321 (1992) 284
Klett, A., see Ball, J. ... A327 (1993) 308
Klima, B., see DØ Collaboration ... A324 (1993) 53
Klima, B., see Aihara, H. ... A325 (1993) 393
Klimenko, S.G., see Aulchenko, V.M. ... A327 (1993) 193
Klingenberg, R., see Anghinolfi, F. ... A326 (1993) 365
Klochkov, B., see DØ Collaboration ... A324 (1993) 53
Klopfenstein, C., see DØ Collaboration ... A324 (1993) 53
Kluge, A., see Bakker, F. ... A330 (1993) 44
Kluth, S., see Beusch, W. ... A323 (1992) 373
Klyukhin, V., see DØ Collaboration ... A324 (1993) 53
Knapp, J., see Engler, J. ... A327 (1993) 102
Knapp, J., see Engler, J. ... A327 (1993) 128
Knichel, W., see Alfter, I. ... A321 (1992) 506
Knoll, D., see Ritter, G. ... A326 (1993) 3
Knoll, G.F., see McGregor, D.S. ... A322 (1992) 487
Knoll, G.F., see Valentine, J.D. ... A325 (1993) 147
Knoll, G.F., see DeVol, T.A. ... A327 (1993) 354
Knoops, E., see CHARM-II Collaboration ... A325 (1993) 92
Knöppler, J., see Brecht, D. ... A323 (1992) 60
Knudson, A.R., see Harihar, P. ... A322 (1992) 40
Knudson, J.N., see Triple Collaboration ... A326 (1993) 549
Kobayashi, H., see Yamazaki, Y. ... A322 (1992) 139
Kobayashi, M., see Britvich, G.I. ... A321 (1992) 64
Kobayashi, M., M. Ieiri, K. Kondo, T. Miura, H. Noumi, M. Numajiri, Y. Oki, T. Suzuki, M. Takasaki, K. Tanaka, Y. Yamanoi, S. Sugimoto and M. Ishii, Radiation hardness of undoped CsI crystals against high energy protons ... A328 (1993) 501
Kobayashi, M., M. Ieiri, K. Kondo, T. Miura, H. Noumi, M. Numajiri, Y. Oki, T. Suzuki, M. Takasaki, K. Tanaka, Y. Yamanoi and M. Ishii, Radiation hardness of cerium-doped gadolinium silicate Gd_2SiO_5:Ce against high energy protons, fast and thermal neutrons ... A330 (1993) 115
Kobayashi, T., see Nagae, T. ... A323 (1992) 236
Kobayashi, T., see Fukumura, K. ... A325 (1993) 475
Kobayashi, T., see Yoshida, Y. ... A327 (1993) 41
Kobayashi, T., see Endo, I. ... A328 (1993) 517
Kobayashi, T., see Nakanishi, H. ... A328 (1993) 596
Kobayashi, Y., see Ueno, K. ... A323 (1992) 601
Koch, A., see Moy, J.P. ... A326 (1993) 581
Koch, H., see Crystal Barrel Collaboration ... A321 (1992) 69
Koch, K., see Supek, I. ... A324 (1993) 19
Kochetkov, V., see DØ Collaboration ... A324 (1993) 53
Kochetkov, V.I., see Buzulutskov, A.F. ... A322 (1992) 235
Koczoń, P., see Senger, P. ... A327 (1993) 393
Kodama, K., see Teraoka, K. ... A324 (1993) 276
Koebel, J.M., see Mergui, S. ... A322 (1992) 375
Koebel, J.M., see Mergui, S. ... A322 (1992) 381
Koehn, P., see Albee, M. ... A325 (1993) 429
Koene, B., see Anassontzis, E.G. ... A323 (1992) 351
Koetke, D.D., see Stanislaus, S. ... A323 (1992) 198

Kögler, R., see von Borany, J. ... A326 (1993) 42
Kohlmeyer, B., see Senger, P. ... A327 (1993) 393
Koike, M., see Berman, L.E. ... A329 (1993) 555
Koizumi, H., K. Lacmann and W.F. Schmidt, Light-induced electron emission from low vapor pressure organic liquids ... A327 (1993) 75
Kokkas, P., see CPLEAR Collaboration ... A321 (1992) 458
Kolachev, G.M., see Babichev, E.A. ... A323 (1992) 49
Kolachev, G.M., see Baru, S.E. ... A323 (1992) 151
Kolachev, G.M., see Aulchenko, V.M. ... A327 (1993) 193
Kolanoski, H., see Cindro, V. ... A323 (1992) 314
Kolb, N.R., see Cairns, E.B. ... A321 (1992) 109
Kolo, C., see Crystal Barrel Collaboration ... A321 (1992) 69
Koltay, E., see Bartha, L. ... A328 (1993) 86
Koltick, D., see Abbott, B. ... A327 (1993) 319
Kolya, S., see Bailey, J.M. ... A323 (1992) 184
Kolya, S., see Grässler, H. ... A323 (1992) 401
Kolyshkin, A.A., see Kondrashov, V.S. ... A328 (1993) 542
Komarov, F.F., see Dudchik, Yu.I. ... A325 (1993) 343
Konaka, A., see Atiya, M.S. ... A321 (1992) 129
Konashi, K., see Harada, H. ... A322 (1992) 286
Koncul, M., see Baechler, J. ... A324 (1993) 449
Koncz, P., see Gobbi, A. ... A324 (1993) 156
Kondo, K., see Apollinari, G. ... A324 (1993) 475
Kondo, K., see Kobayashi, M. ... A328 (1993) 501
Kondo, K., see Kobayashi, M. ... A330 (1993) 115
Kondo, T., see Hasegawa, Y. ... A327 (1993) 57
Kondrashov, V.S., Z.D. Moroz, A.A. Kolyshkin and R. Vaillancourt, A computer program for the identification of nuclides by using median estimates of peak areas in gamma-ray spectra ... A328 (1993) 542
Kondratiev, O., see Bondarenko, V. ... A327 (1993) 386
König, A.C., see Adeva, B. ... A323 (1992) 109
König, A.C., see Bakker, F. ... A330 (1993) 44
Königsmann, K., see Crystal Barrel Collaboration ... A321 (1992) 69
Konmura, M., see Saito, K. ... A326 (1993) 204
Konmura, M., see Yamamoto, K. ... A326 (1993) 222
Kononenko, W., see DØ Collaboration ... A324 (1993) 53
Konotopskaya, E., see Glazov, A. ... A329 (1993) 262
Konrad, W., see Senger, P. ... A327 (1993) 393
Konter, J.A., see Berger, C. ... A330 (1993) 285
Koohi-Fayeghi, R., S. Green, N.M.J. Crout, G.C. Taylor and M.C. Scott, Neural network unfolding of photon and neutron spectra using an NE-213 scintillation detector ... A329 (1993) 269
Koori, N., see Uozumi, Y. ... A324 (1993) 558
Kopczynski, J. and S. Samek, Development of the "AJGES" accelerator ... A328 (1993) 56
Koperny, S., see Bobrowski, M. ... A323 (1992) 309
Korbar, D., see Starič, M. ... A323 (1992) 91
Korbel, V., The H1 LAr calorimeter at HERA, design, performance and status ... A327 (1993) 209
Korchagin, Y., see Gobbi, A. ... A324 (1993) 156
Koretskaya, O.B., see Chmill, V.B. ... A326 (1993) 310
Korkmaz, E., see Cairns, E.B. ... A321 (1992) 109
Körner, H.J., see Dollinger, G. ... A328 (1993) 168
Kornylovskaya, L.D., see Britvich, G.I. ... A326 (1993) 483
Korobko, S.A., see Sustavov, A.F. ... A323 (1992) 157
Korpar, S., see Starič, M. ... A323 (1992) 91
Korpar, S., see Starič, M. ... A323 (1992) 457
Korporaal, A., see Anassontzis, E.G. ... A323 (1992) 351
Korporaal, A., see Bakker, F. ... A330 (1993) 44
Korsch, W., see Düren, M. ... A322 (1992) 13
Korun, M. and R. Martinčič, Coincidence summing in gamma and X-ray spectrometry ... A325 (1993) 478
Korzhik, M.V., see Baryshevsky, V.G. ... A322 (1992) 231
Kossionides, S., see Doukellis, G. ... A327 (1993) 480
Kössler, V., see Grieser, M. ... A328 (1993) 160
Kostyuhin, V.V., see Guz, Yu.P. ... A323 (1992) 315

Kotcher, J., see DØ Collaboration ... A324 (1993) 53
Kotcher, J., see Aihara, H. ... A325 (1993) 393
Kotov, I., see DØ Collaboration ... A324 (1993) 53
Kotte, R., see Gobbi, A. ... A324 (1993) 156
Kotthaus, R., CsI(Tl)-photodiode detectors for spectroscopy at low radiation levels ... A329 (1993) 433
Kötz, U., see Caldwell, A. ... A321 (1992) 356
Kouchi, N., see Shinsaka, K. ... A327 (1993) 15
Kourkoumelis, C., see Anassontzis, E.G. ... A323 (1992) 351
Kourlas, J., see DØ Collaboration ... A324 (1993) 53
Kourlas, J., see Aihara, H. ... A325 (1993) 393
Koutchenkov, A., see Chen, M. ... A327 (1993) 187
Koutchenkov, A.V., see Akimov, D.Yu. ... A327 (1993) 155
Koval, N.N., E.M. Oks, P.M. Schanin, Yu.E. Kreindel and N.V. Gavrilov, Broad beam electron sources with plasma cathodes ... A321 (1992) 417
Kovalenko, A., see Chen, M. ... A327 (1993) 187
Kovinski, V.I., see Sustavov, A.F. ... A323 (1992) 157
Kovner, H., see Kella, D. ... A329 (1993) 440
Kowalczyk, R.S., see Gilman, R. ... A327 (1993) 277
Kowalewski, R., see Biebel, O. ... A323 (1992) 169
Kowalski, T.Z. and A.R. Stopczyński, The gas gain process in Ar/CO_2 filled proportional tubes ... A323 (1992) 289
Kowalski, T.Z., see Bobrowski, M. ... A323 (1992) 309
Kozhukh, M.L., Neutron doping of silicon in power reactors ... A329 (1993) 453
Kozlov, V.A., see Britvich, G.I. ... A321 (1992) 64
Kozlov, V.A., see Antipov, A.V. ... A327 (1993) 346
Kozlov, V.N., see Baru, S.E. ... A323 (1992) 151
Kozlovsky, E., see DØ Collaboration ... A324 (1993) 53
Kozma, P., S. Afanasiev, A. Malakhov and A. Povtoreiko, A cerium fluoride scintillator coupled to a FEU-140 photomultiplier (*Letter to the Editor*) ... A322 (1992) 302
Kozma, P., S. Afanasiev, A. Malakhov and A. Povtoreiko, Radiation resistivity of large CeF_3 crystals (*Letter to the Editor*) ... A328 (1993) 599
Kponou, A.E., see Hershcovitch, A.I. ... A330 (1993) 144
Kraft, G., see Haberer, Th. ... A330 (1993) 296
Králík, M., see Půlpán, J. ... A321 (1992) 223
Králík, M., see Půlpán, J. ... A325 (1993) 314
Krämer, J., see Bräuninger, H. ... A326 (1993) 126
Krämer, M., see Gobbi, A. ... A324 (1993) 156
Kramer, M.A., see Etkin, A. ... A323 (1992) 224
Kraner, H., see Chen, W. ... A326 (1993) 273
Kraner, H.W., Z. Li and E. Fretwurst, The use of the signal current pulse shape to study the internal electric field profile and trapping effects in neutron damaged silicon detectors ... A326 (1993) 350
Krankenhagen, R., see Deiters, K. ... A323 (1992) 162
Krasnokutsky, R., see Akopyan, M. ... A330 (1993) 465
Krasnokutsky, R.N., L.L. Kurchaninov, Yu.P. Petukhov, V.V. Sushkov and R.S. Shuvalov, The signal shape of a tower-type ionization calorimeter ... A322 (1992) 34
Krasnokutsky, R.N., see Chen, M. ... A327 (1993) 187
Krasnov, V.A., see Razin, V.I. ... A321 (1992) 504
Krasnykh, A., see Rubin, D.L. ... A330 (1993) 12
Kratz, J.V., see Matulewicz, T. ... A325 (1993) 216
Kraus, H., J. Jochum, B. Kemmather, M. Gutsche, F.v. Feilitzsch and R.L. Mössbauer, High resolution X-ray spectroscopy with superconducting tunnel junctions ... A326 (1993) 172
Krause, B., see Grossmann-Handschin, M. ... A327 (1993) 378
Krebs, B., see Behrens, U. ... A323 (1992) 611
Krechko, Yu.A., see Antipov, A.V. ... A327 (1993) 346
Kregsamer, P., see Rieder, R. ... A327 (1993) 594
Kreindel, Yu.E., see Koval, N.N. ... A321 (1992) 417
Krennrich, F., see Crystal Barrel Collaboration ... A321 (1992) 69
Kreutz, A., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Kreymer, A., see Frabetti, P.L. ... A329 (1993) 62
Krick, M.S., see Dytlewski, N. ... A327 (1993) 469
Kritidis, P.P., see Pressyanov, D.S. ... A326 (1993) 613

Krivandina, E.A., see Britvich, G.I. A321 (1992) 64
Krivandina, E.A., see Antipov, A.V. A327 (1993) 346
Križan, P., see Ehrlichmann, H. A323 (1992) 452
Križan, P., see Starič, M. A323 (1992) 457
Kroll, J., see Hobbs, J.D. A325 (1993) 494
Kropp, W.R., see Becker-Szendy, R. A324 (1993) 363
Kross, B., see Majewski, S. A323 (1992) 489
Kross, B., see Weisenberger, A. A327 (1993) 500
Krüger, A., see Terunuma, N. A323 (1992) 471
Krüger, R., see Behrens, U. A323 (1992) 611
Kruglov, A.A., see Pokachalov, S.G. A327 (1993) 159
Krzywdzinzski, S., see DØ Collaboration A324 (1993) 53
Kubicki, T., see Karpinski, W. A323 (1992) 635
Kubota, S., see Suzuki, M. A327 (1993) 67
Kubota, S., M. Hishida, S. Himi, M. Suzuki and J. Ruan(Gen), The suppression of the slow component in xenon-doped liquid argon scintillation A327 (1993) 71
Kucewicz, W., see Caccia, M. A321 (1992) 348
Kucewicz, W., see Brenner, R. A326 (1993) 189
Kucewicz, W., see Bingefors, N. A328 (1993) 447
Kudomi, N., T. Shima, H. Ejiri, J. Tanaka and T. Watanabe, Preparation of large and thin source films for studying nuclear rare decays A322 (1992) 53
Kühl, L., see EDDA Collaboration A329 (1993) 151
Kuhn, C., see Gobbi, A. A324 (1993) 156
Kuhn, S.E. and G.E. Dodge, A fast algorithm for Monte Carlo simulations of multiple Coulomb scattering .. A322 (1992) 88
Kuijer, P.G., see Bootsma, T.M.V. A324 (1993) 399
Kuijer, P.G., see van Nieuwenhuizen, G.J. A325 (1993) 516
Kulessa, R., see Matulewicz, T. A325 (1993) 216
Kulichenko, A.V., see Britvich, G.I. A326 (1993) 483
Kummar, K.S., see Adeva, B. A323 (1992) 109
Kunne, R., see Ball, J. A327 (1993) 308
Kunne, R.A., see Ahmidouch, A. A326 (1993) 538
Kuno, Y., see Atiya, M.S. A321 (1992) 129
Kunori, S., see DØ Collaboration A324 (1993) 53
Kunst, T., B. Götz and B. Schmidt, Precision measurements of magnetic deflection angles and drift velocities in crossed electric and magnetic fields A324 (1993) 127
Kunze, M., see Crystal Barrel Collaboration A321 (1992) 69
Kuperin, A.B., see Razin, V.I. A321 (1992) 504
Kurakado, M., see Matsumura, A. A329 (1993) 227
Kurashige, H., see Yamada, Y. A330 (1993) 64
Kurchaninov, L.L., see Krasnokutsky, R.N. A322 (1992) 34
Kurihara, T., see Yamazaki, Y. A322 (1992) 139
Kuriki, M., see Masuda, K. A327 (1993) 134
Kuritsin, A., see Budagov, Yu. A330 (1993) 458
Kurochkin, I.A., S.N. Lapitsky, N.V. Mokhov and V.S. Seleznev, Beam loss monitor for superconducting accelerators A329 (1993) 367
Kuroishi, K., see Hirai, Y. A327 (1993) 256
Kurtenbach, A., see Roderburg, E. A323 (1992) 140
Kurtenbach, A., see Dahmen, M. A323 (1992) 542
Kushnir, V.I., J.P. Quintana and P. Georgopoulos, On the sagittal focusing of synchrotron radiation with a double crystal monochromator A328 (1993) 588
Kusunose, M., see Sasaki, H. A321 (1992) 180
Kuwahara, K., see Ishida, N. A327 (1993) 152
Kuzichev, V.F., see Akimov, D.Yu. A327 (1993) 155
Kuzucu, A., see Brandt, A. A327 (1993) 412
Kwan, S., see Anderson, D.F. A323 (1992) 626
Kwan, S., see Anderson, D.F. A326 (1993) 611
Kwan, S.W.L., see Kaplan, D.M. A330 (1993) 33
Kyberd, P., see Allport, P.P. A324 (1993) 34
Kycia, T.F., see Atiya, M.S. A321 (1992) 129
Kyriazopoulou, S., see MACRO Collaboration A324 (1993) 337
Kyushima, H., see Suzuki, A. A329 (1993) 299

L3 Vertex Chamber Group, L3 central tracking system ... A323 (1992) 399
L3P Collaboration, A precision experiments on electrons, photons and muons at LHC ... A325 (1993) 23
La Marra, D., see Munday, D. ... A326 (1993) 100
Laakso, I., see Anzivino, G. ... A329 (1993) 521
Laakso, M., P. Singh, E. Engels, Jr. and P.F. Shepard, Operation and radiation resistance of a FOXFET biasing structure for silicon strip detectors ... A326 (1993) 214
Laakso, M., P. Singh and P.F. Shepard, Field oxide radiation damage measurements in silicon strip detectors ... A327 (1993) 517
Laasenen, A., see Hauser, J. ... A321 (1992) 497
Labs, J., see Axen, D. ... A328 (1993) 472
Lac, C.D., see Ball, J. ... A327 (1993) 308
Lacaita, A., M. Ghioni, F. Zappa, G. Ripamonti and S. Cova, Recent advances in the detection of optical photons with silicon photodiodes ... A326 (1993) 290
Lacarrère, D., see Lindblad, Th. ... A324 (1993) 263
Lacarrère, D., see Vuillemin, V. ... A327 (1993) 44
Lacava, F., see Bacci, C. ... A324 (1993) 83
Lacey, R., see Kaplan, M. ... A327 (1993) 551
Lackey, J., see Panescu, D. ... A330 (1993) 475
Lacmann, K., see Koizumi, H. ... A327 (1993) 75
Lacourt, A., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Ladisich, W., see Rieder, R. ... A327 (1993) 594
Ladisich, W., R. Rieder, P. Wobrauschek and H. Aiginger, Total reflection X-ray fluorescence analysis with monoenergetic excitation and full spectrum excitation using rotating anode X-ray tubes ... A330 (1993) 501
Lagarde, B., see Roy, P. ... A325 (1993) 568
Laggner, P. and H. Mio, SWAX – a dual-detector camera for simultaneous small- and wide-angle X-ray diffraction in polymer and liquid crystal research ... A323 (1992) 86
Lahr, U., see EDDA Collaboration ... A329 (1993) 151
Lai, A., see Bastianello, G. ... A324 (1993) 543
Lai Weiquan, see Deng Yusheng ... A328 (1993) 101
Lamanna, E., see MACRO Collaboration ... A324 (1993) 337
Lamarche, F., see Baines, J.T.M. ... A325 (1993) 271
Lambert, D., see Eberhard, P. ... A326 (1993) 574
Lambropoulos, C., see Anassontzis, E.G. ... A323 (1992) 351
Lanaro, A., see Balestra, F. ... A323 (1992) 523
Lancon, E., see Batignani, G. ... A326 (1993) 183
Lander, C.A., see Hykawy, J.G. ... A329 (1993) 423
Lander, C.A., see Sidky, M.H. ... A330 (1993) 195
Landini, G., see Baldazzi, G. ... A322 (1992) 644
Landini, G., see Baldazzi, G. ... A326 (1993) 319
Landua, R., see Crystal Barrel Collaboration ... A321 (1992) 69
Lane, C., see MACRO Collaboration ... A324 (1993) 337
Lanfranchi, M., see Aroua, A. ... A321 (1992) 305
Lange, A., see Cindro, V. ... A323 (1992) 314
Lange, A.E., see Shutt, T. ... A326 (1993) 166
Lange, W., see Deiters, K. ... A323 (1992) 162
Lange, W., see Bähr, J. ... A324 (1993) 145
Langefeld, P., see Becks, K.H. ... A329 (1993) 501
Langenbrunner, J., M.B. Barakat, E.V. Hungerford III, C.T. Pillai, N. Tanaka, H.A. Thiessen, L.J. Rybarcyk, K.W. Jones, D.B. Barlow, J.B. McClelland, D.C. Dressman, S.C. Piltch, D.N. Mihailidis, J.B. Donahue, C.L. Morris and R.D. Werbeck, Pion production at small angles ... A325 (1993) 187
Langerak, J.J., see van Nieuwenhuizen, G.J. ... A325 (1993) 516
Langerveld, D., see Anassontzis, E.G. ... A323 (1992) 351
Langill, P.P., see Cairns, E.B. ... A321 (1992) 109
Langkau, R., see EDDA Collaboration ... A329 (1993) 151
Langlois, M., see Fougeron, C. ... A328 (1993) 279
Langstaff, R., see Axen, D. ... A328 (1993) 472
Lanni, F., see Aulchenko, V.M. ... A327 (1993) 193
Lanou, R., see DØ Collaboration ... A324 (1993) 53
Lanza, A., see MINI Collaboration ... A324 (1993) 330
Lanzanó, G., A. Pagano, E.D. Filippo, E. Pollacco, R. Barth, B. Berthier, E. Berthoumieux, Y. Cassagnou, Sl. Cavallaro, J.L. Charvet, A. Cunsolo, R. Dayras, A. Foti, S. Harar, R. Legrain, V. Lips, C. Mazur, E.

Norbeck, S. Urso and C. Volant, Heavy ions detection by using BaF_2 crystals coupled to thin plastic scintillator (*Letter to the Editor*) A323 (1992) 694
Lanzano, S., see Adeva, B. A323 (1992) 109
Lapitsky, S.N., see Kurochkin, I.A. A329 (1993) 367
Larson, J.D., see Attal, P. A328 (1993) 293
Lash, J., see Pollock, R.E. A330 (1993) 27
Last, J., see Kaloskamis, N.I. A330 (1993) 447
Lauber, J., see Batignani, G. A326 (1993) 183
Laundy, D., see Cousins, C.S.G. A324 (1993) 598
Laurens, P., see DØ Collaboration A324 (1993) 53
Laurent, H., H. Lefort, D. Beaumel, Y. Blumenfeld, S. Fortier, S. Galès, J. Guillot, J.C. Roynette, P. Volkov and S. Brandenburg, EDEN: a neutron time-of-flight multidetector for decay studies of giant states A326 (1993) 517
Laurenti, G., see Crotty, I. A329 (1993) 133
Lauterjung, D., see Cindro, V. A323 (1992) 314
LaVerne, J.A., A. Hitachi and T. Doke, Scintillation response of liquid argon for 3–20 MeV He ions A327 (1993) 63
Laverrière, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Lavocat, P., see Aubert, B. A321 (1992) 467
Lavocat, P., see Aubert, B. A325 (1993) 116
Lavocat, P., see RD3 Collaboration A330 (1993) 405
Laxdal, R., see Ramsay, W.D. A327 (1993) 265
Layda, T., see CHARM-II Collaboration A325 (1993) 92
Lazarenko, B.A., see Isaeva, L.G. A325 (1993) 16
Lazarus, D.M., see Pile, P.H. A321 (1992) 48
Lazzeroni, C., see Adinolfi, M. A329 (1993) 117
Le Beyec, Y., see Attal, P. A328 (1993) 293
Le Dain, L., see Mathy, F. A322 (1992) 615
Le Meur, G., see Aubert, B. A325 (1993) 116
Lea, L., see Proudfoot, G. A328 (1993) 47
Learned, J.G., see Becker-Szendy, R. A324 (1993) 363
Lebedenko, V., see Chen, M. A327 (1993) 187
Lebedev, A., see Gobbi, A. A324 (1993) 156
Lebedev, P.K. and S.V. Muraviev, Time resolution of ionization chamber filled with liquid krypton and xenon A327 (1993) 138
Lebedev, P.K. and V.I. Pryanichnikov, Present and future production of xenon and krypton in the former USSR region and some physical properties of these gases A327 (1993) 222
Lebendenko, V.N., see Akimov, D.Yu. A327 (1993) 155
Lebrun, F., see Lei, F. A321 (1992) 598
Lebrun, P., see Frabetti, P.L. A329 (1993) 62
Lechanoine-Leluc, C., see Ahmidouch, A. A326 (1993) 538
Lechner, P., see Bischoff, A. A326 (1993) 27
Lechner, P., see Pinotti, E. A326 (1993) 85
Lechner, P., see Bräuninger, H. A326 (1993) 126
Lechner, P., L. Andricek, N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, G. Lutz, N. Meidinger, E. Pinotti, L. Strüder and C. von Zanthier, New DEPMOS applications A326 (1993) 284
Lecoeur, G., see Anassontzis, E.G. A323 (1992) 351
Lee, C., see MACRO Collaboration A324 (1993) 337
Lee, H.W., see Liu, M. A329 (1993) 291
Lee, L., D.R. Gill, A. Olin, S. Yen, S. Ajimura, H. Ejiri, A. Higashi, G. Inoue, T. Kishimoto, F. Nakamura, H. Noumi, T. Fukuda, O. Hashimoto and T. Shibata, An active segmented target for studying hypernuclear production A327 (1993) 287
Lee, S.M., see Futami, Y. A326 (1993) 513
Lee-Franzini, J., see DØ Collaboration A324 (1993) 53
Lees, J.E., see Fraser, G.W. A321 (1992) 385
Lees, J.E., see Fraser, G.W. A324 (1993) 404
Lees, J.E., see Pearson, J.F. A325 (1993) 578
Lees, J.E., see Fraser, G.W. A327 (1993) 328
Lefebvre, M., see Aubert, B. A321 (1992) 467
Lefebvre, M., see Aubert, B. A325 (1993) 116
Lefebvre, M., see RD3 Collaboration A330 (1993) 405
Leflour, T., see Aubert, B. A321 (1992) 467
Leflour, T., see Aubert, B. A325 (1993) 116

Leflour, T., see RD3 Collaboration A330 (1993) 405
Lefort, H., see Laurent, H. A326 (1993) 517
Léger, A., see Bourquin, M. A325 (1993) 509
Leggett, C., see Beretvas, A. A329 (1993) 50
Legoff, J.M., see Adeva, B. A323 (1992) 109
Legrain, R., see Lanzanó, G. A323 (1992) 694
Legrand, D., see Ball, J. A327 (1993) 308
Legrand, I., see Gobbi, A. A324 (1993) 156
Lehar, F., see Ball, J. A327 (1993) 308
Lei, F., J.P. Leray, P. Mandrou, J. Paul, J.P. Roques and F. Lebrun, The background in a high earth orbit as measured by the soft γ-ray telescope SIGMA A321 (1992) 598
Leijtens, X., see Adeva, B. A323 (1992) 109
Leistam, L., see Dudragne, A. A324 (1993) 93
Leiste, R., see Deiters, K. A323 (1992) 162
Leleux, P., see Benjelloun, M. A321 (1992) 521
Leleux, P., I. Licot, P. Lipnik and C. Nuyens, On the cosmic-ray rejection near a radioactive beam A329 (1993) 518
Lellouch, D., see Baines, J.T.M. A325 (1993) 271
Lemaitre, S., see Sydow, L. A327 (1993) 441
Lemaître, V., see CHARM-II Collaboration A325 (1993) 92
Lemeilleur, F., see Anghinolfi, F. A326 (1993) 365
Lennert, P., see Brecht, D. A323 (1992) 60
Lennert, P., see Beusch, W. A323 (1992) 373
Lenzen, G., see Anassontzis, E.G. A323 (1992) 351
Leone, S., see Bisello, D. A325 (1993) 446
Leonhardt, W., see Pile, P.H. A321 (1992) 48
Leoni, R., M.G. Castellano, G. Schirripa Spagnolo, P. Carelli and M. Cirillo, Characterization of thin-film superconducting dot arrays for cryogenic particle detectors A322 (1992) 258
Leontiev, L.A., see Aulchenko, V.M. A327 (1993) 193
Leray, J.P., see Lei, F. A321 (1992) 598
Lerch, P., see Aroua, A. A321 (1992) 298
Lerch, P., see Aroua, A. A321 (1992) 305
Lerch, P., see Aroua, A. A321 (1992) 312
Leroy, C., see Allport, P.P. A324 (1993) 34
Leslie, J., see Gadomski, S. A326 (1993) 239
Leslie, J., see Barberis, E. A326 (1993) 373
Letournel, M., A new high gradient accelerating tube A328 (1993) 25
Leutz, H., see D'Ambrosio, C. A322 (1992) 20
Leutz, H., see D'Ambrosio, C. A325 (1993) 161
Levegrün, S., see Biebel, O. A323 (1992) 169
Leveraro, F., see Frabetti, P.L. A329 (1993) 62
Levi Sandri, P., see Zucchiatti, A. A321 (1992) 219
Levi Sandri, P., see Anghinolfi, M. A324 (1993) 191
Levin, D., see MACRO Collaboration A324 (1993) 337
Levin, D.S., B.C. Barish, E. Diehl, A. Habig, J. Handel, M. Kertzman, S. Mufson, J. Musser, S. Nutter, G. Sembroski and G. Tarlé, GRACE: a prototype for the Gran Sasso Air Cherenkov Experiment A322 (1992) 101
LeVine, M., see Baechler, J. A324 (1993) 449
Levinson, L., see Baines, J.T.M. A325 (1993) 271
Levy, P., see Barber, D.P. A329 (1993) 79
Lewin, H.-Ch., see Barber, D.P. A329 (1993) 79
Lewis, R., see Abbott, B. A327 (1993) 319
Lewis, R.A., see Bras, W. A326 (1993) 587
Lhenry, I., see Bellia, G. A329 (1993) 173
Li, J.P., see Sumner, T.J. A322 (1992) 514
Li, K.K., see Atiya, M.S. A321 (1992) 129
Li, L., see Adeva, B. A323 (1992) 109
Li, R., see DØ Collaboration A324 (1993) 53
Li, S.D., see Kiang, L.L. A327 (1993) 427
Li, Y.,W.C. Phillips,M. StantonK. Kalata, Characterization of a SIT vidicon X-ray detector for crystallography A322 (1992) 116
Li, Y., see Poffenberger, P.R. A327 (1993) 99
Li, Y., see Anzivino, G. A329 (1993) 521
Li, Z., see Chen, W. A326 (1993) 273

Li, Z., see Kraner, H.W. A326 (1993) 350
Li-Demarteau, Q.Z., see DØ Collaboration A324 (1993) 53
Licot, I., see Leleux, P. A329 (1993) 518
Lidbury, J., see Bingefors, N. A328 (1993) 447
Liebmann, J., see von Hahn, R. A328 (1993) 270
Liénard, E., see Benjelloun, M. A321 (1992) 521
Lietzke, C., see Barberis, E. A326 (1993) 373
Lievens, P., see Duong, H.T. A325 (1993) 465
Lillie, R.A., see Alsmiller Jr., R.G. A321 (1992) 265
Limon, P.J., see Hauser, J. A321 (1992) 497
Lin, S.C., see Kiang, L.L. A327 (1993) 427
Lin, W.J., see Kiang, L.L. A327 (1993) 427
Lincke, E., see Bamber, C. A327 (1993) 227
Lindblad, T., see Akkila, T. A327 (1993) 566
Lindblad, T., see Akkila, T. A327 (1993) 573
Lindblad, T. and G. Székely, Filtering and unfolding using neural networks *(Letter to the Editor)* A328 (1993) 603
Lindblad, Th., W. Klamra, B. Lund-Jensen, G. Szekely, P. Cennini, D. Lacarrère, M. Moulson, W. Seidel and V. Vuillemin, Measurements of rise times in liquid argon and xenon gridded ionization chambers A324 (1993) 263
Lindblad, Th., see Vuillemin, V. A327 (1993) 44
Lindenbaum, S.J., see Etkin, A. A323 (1992) 224
Lindgren, J., see Brenner, R. A326 (1993) 189
Lindgren, J., see Bingefors, N. A328 (1993) 447
Lindgren, M., see Hauser, J. A321 (1992) 497
Lindozzi, M., see Anzivino, G. A329 (1993) 521
Lindström, G., see Fretwurst, E. A326 (1993) 357
Lindström, G., see Anghinolfi, F. A326 (1993) 365
Lingel, K., see Frabetti, P.L. A329 (1993) 62
Linn, S.L., see DØ Collaboration A324 (1993) 53
Linnemann, J.T., see DØ Collaboration A324 (1993) 53
Linser, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Lipari, P., see MACRO Collaboration A324 (1993) 337
Lipnik, P., see Benjelloun, M. A321 (1992) 521
Lipnik, P., see Leleux, P. A329 (1993) 518
Lippert, C., see Roderburg, E. A323 (1992) 140
Lippert, Ch., see Dahmen, M. A323 (1992) 542
Lippert, G., see EDDA Collaboration A329 (1993) 151
Lippert, W., see Bitter, T. A321 (1992) 284
Lippich, W., see CHARM-II Collaboration A325 (1993) 92
Lips, V., see Lanzanó, G. A323 (1992) 694
Lipton, R., see DØ Collaboration A324 (1993) 53
Lipton, R., see Aihara, H. A325 (1993) 393
Lisantti, J., see Wells, S.P. A325 (1993) 205
Lisowski, B., see Beaumont, S.P. A321 (1992) 172
Lisowski, B., see Beaumont, S.P. A322 (1992) 472
Lisowski, B., see Beaumont, S.P. A326 (1993) 313
Lister, C.J., see Kaloskamis, N.I. A330 (1993) 447
Litke, A., see Batignani, G. A326 (1993) 183
Litovchenko, P.G., see Rosenfeld, A.B. A326 (1993) 234
Littenberg, L.S., see Atiya, M.S. A321 (1992) 129
Litvinov, M.M., see Britvich, G.I. A321 (1992) 64
Liu, G., Z. Guo, W. Zhan, Y. Zhu, X. Hu, H. Xi, J. Zhou and E. Feng, BaF_2 crystal as forward angle detector in intermediate energy heavy ion reaction research A322 (1992) 243
Liu, G., see MACRO Collaboration A324 (1993) 337
Liu, J., see Wells, S.P. A325 (1993) 205
Liu, M., H.W. Lee and A.B. McDonald, ^{222}Rn emanation into vacuum A329 (1993) 291
Liu, R., see MACRO Collaboration A324 (1993) 337
Liu, S., see Gong, J.M. A328 (1993) 344
Liu Lin, and C.E.T. Gonçalves da Silva, Second order single particle dynamics in quasi-isochronous storage rings and its application to the LNLS–UVX ring A329 (1993) 9
Livingston, K., see Davis, N.J. A330 (1993) 165

Ljubičić, A., D. Kekez, I. Žlimen and B.A. Logan, Nondestructive method for identification of ^{205}Pb at very low concentrations ... A325 (1993) 545
Ljubicic Jr., A., see Baechler, J. ... A324 (1993) 449
Ljungfelt, S., see Beusch, W. ... A323 (1992) 373
Ljuslin, C., see Christiansen, J. ... A321 (1992) 336
Lo Bianco, G., see Aulchenko, V.M. ... A327 (1993) 193
Lobko, A.S., see Baryshevsky, V.G. ... A322 (1992) 231
Lobkowicz, F., see DØ Collaboration ... A324 (1993) 53
Lobkowicz, F., see Aihara, H. ... A325 (1993) 393
Lobotsky, D.G., see Dudchik, Yu.I. ... A325 (1993) 343
Lofstedt, B., see Bal, F. ... A323 (1992) 511
Logan, B.A., see Ljubičić, A. ... A325 (1993) 545
Lohmann, W., see Deiters, K. ... A323 (1992) 162
Loken, S.C., see DØ Collaboration ... A324 (1993) 53
Lökös, S., see DØ Collaboration ... A324 (1993) 53
Lollo, M., see Fortuna, G. ... A328 (1993) 236
Lombardi, A., see Fortuna, G. ... A328 (1993) 236
Lombardi, A., see Jain, A. ... A328 (1993) 251
Lomperski, M., see Barber, D.P. ... A329 (1993) 79
Longacre, R.S., see Etkin, A. ... A323 (1992) 224
Longo, M.J., see MACRO Collaboration ... A324 (1993) 337
Longoni, A., see Pinotti, E. ... A326 (1993) 85
Longoni, A., see Vacchi, A. ... A326 (1993) 267
Longoni, A., see Chen, W. ... A326 (1993) 273
Loos, R., see Bakker, F. ... A330 (1993) 44
Looten, A., see Vuillemin, V. ... A327 (1993) 44
Lopez, A., see Frabetti, P.L. ... A329 (1993) 62
Lopiano, D., see Ball, J. ... A327 (1993) 308
Lordong, N., see Grossmann-Handschin, M. ... A327 (1993) 378
Lorenz, P., see Anassontzis, E.G. ... A323 (1992) 351
Lorenzon, W., see Barber, D.P. ... A329 (1993) 79
Loreti, M., see Bisello, D. ... A325 (1993) 446
LoSecco, J.M., see Becker-Szendy, R. ... A324 (1993) 363
Losev, L., see Barber, D.P. ... A329 (1993) 79
Lotfranaei, M.S., see Kim, Y.S. ... A329 (1993) 403
Lottin, J.P., see Aubert, B. ... A321 (1992) 467
Lottin, J.P., see Aubert, B. ... A325 (1993) 116
Lottin, J.P., see RD3 Collaboration ... A330 (1993) 405
Lou, X.C., see Allport, P.P. ... A324 (1993) 34
Louis, W.C., see Atiya, M.S. ... A321 (1992) 129
Loukas, D., see Kavadias, S. ... A322 (1992) 562
Loukas, D., see Anassontzis, E.G. ... A323 (1992) 351
Loukas, D., see Misiakos, K. ... A326 (1993) 38
Lounis, A., see Brenner, R. ... A326 (1993) 189
Lounis, A., see Brenner, R. ... A326 (1993) 198
Lounis, A., see Bingefors, N. ... A328 (1993) 447
Love, W.A., see Etkin, A. ... A323 (1992) 224
Lovell, M., see French, M. ... A324 (1993) 511
Loverre, P.F., see CHARM-II Collaboration ... A325 (1993) 92
Lozowski, W., see v. Przewoski, B. ... A328 (1993) 435
Lu, C., see Anderson, W.S. ... A323 (1992) 273
Lu, L., see Anzivino, G. ... A329 (1993) 521
Lu, M.-S. and T. Teichmann, Statistical modelling of coincidence counting ... A327 (1993) 544
Lu, W., see Pagès, J.L. ... A321 (1992) 342
Lu, X.-Q., see Alexandreas, D.E. ... A328 (1993) 570
Lübelsmeyer, K., see Karpinski, W. ... A323 (1992) 635
Lublinsky, B., see Herrup, D.A. ... A329 (1993) 470
Lucas, P., see DØ Collaboration ... A324 (1993) 53
Lucherini, V., see Zucchiatti, A. ... A321 (1992) 219
Lucherini, V., see Anghinolfi, M. ... A324 (1993) 191

Luches, A., M. Martino, V. Nassisi, A. Pecoraro and A. Perrone, Generation of self-pulsed multiple charged ions by an XeCl excimer laser ... A322 (1992) 166
Lude, G., see Brendle, M. ... A322 (1992) 307
Lude, G., see Brendle, M. ... A324 (1993) 260
Lüdecke, H., see Bähr, J. ... A324 (1993) 145
Lüdecke, H., see Bähr, J. ... A330 (1993) 103
Lüdemann, J., see Crystal Barrel Collaboration ... A321 (1992) 69
Ludlam, G., see MACRO Collaboration ... A324 (1993) 337
Ludmirsky, E.A., see Asseev, A.A. ... A330 (1993) 39
Ludwig, E.J., see Fletcher, K.A. ... A329 (1993) 197
Ludwig, J., see Benz, K.W. ... A322 (1992) 493
Luebke, W., see Kaplan, D.M. ... A330 (1993) 33
Lukianov, I., see Bruzzi, M. ... A326 (1993) 344
Lunadei, G., see Bagnaia, P. ... A323 (1992) 528
Lund, J.C., K.S. Shah, F. Olschner, J. Zhang, L. Moy, S. Medrick and M.R. Squillante, Recent progress in lead iodide X-ray spectrometer development ... A322 (1992) 464
Lund, J.C., see Zhang, J. ... A322 (1992) 499
Lund, J.C., see Olschner, F. ... A322 (1992) 504
Lund, J.C., see Shah, K.S. ... A322 (1992) 509
Lund-Jensen, B., see Lindblad, Th. ... A324 (1993) 263
Lund-Jensen, B., see Vuillemin, V. ... A327 (1993) 44
Lund-Jensen, B., see Akkila, T. ... A327 (1993) 573
Lundin, M., see Bencheikh, B. ... A323 (1992) 398
Lundin, M., see Da Via, C. ... A323 (1992) 419
Lustermann, W., see Deiters, K. ... A323 (1992) 162
Lütjens, G., see Batignani, G. ... A326 (1993) 183
Lutz, G., see Bischoff, A. ... A326 (1993) 27
Lutz, G., see Buttler, W. ... A326 (1993) 63
Lutz, G., see Pinotti, E. ... A326 (1993) 85
Lutz, G., see Bräuninger, H. ... A326 (1993) 126
Lutz, G., see Batignani, G. ... A326 (1993) 183
Lutz, G., see Kemmer, J. ... A326 (1993) 209
Lutz, G., see Lechner, P. ... A326 (1993) 284
Lutz, J.R. and J.C. Marsaudon, Modern tandem control systems ... A328 (1993) 113
Lynch, G., see Eberhard, P. ... A326 (1993) 574
Lynch, J.G., see Beaumont, S.P. ... A321 (1992) 172
Lynch, J.G., see Beaumont, S.P. ... A322 (1992) 472
Lynch, J.G., see Beaumont, S.P. ... A326 (1993) 313
Lyons, L., A method of reducing systematic errors in classification problems ... A324 (1993) 565
Lysiakov, V.N., see Bychkov, V.N. ... A325 (1993) 158

Ma Ji see Axen, D. ... A328 (1993) 472
Maaza, M., B. Pardo and F. Bridou, New optical transmission device to produce high monochromatic and high polarized neutron beams based on the tunneling frustrated total reflection in neutron guides ... A326 (1993) 531
Macdonald, E.W., see Davis, N.J. ... A330 (1993) 165
Macdonald, J.A., see Atiya, M.S. ... A321 (1992) 129
Macek, R., see Neuffer, D. ... A321 (1992) 1
Machowski, W., see Bobrowski, M. ... A323 (1992) 309
Macina, D., see CHARM-II Collaboration ... A325 (1993) 92
Mack, D., see Cairns, E.B. ... A321 (1992) 109
MacKeown, P.K., see Gillanders, G.H. ... A323 (1992) 677
MACRO Collaboration, S. Ahlen, M. Ambrosio, R. Antolini, G. Auriemma, A. Baldini, G.C. Barbarino, B. Barish, G. Battistoni, R. Bellotti, C. Bemporad, P. Bernardini, H. Bilokon, V. Bisi, C. Bloise, A. Boiano, C. Bower, S. Bussino, F. Cafagna, M. Calicchio, P. Campana, D. Campana, A. Candela, M. Carboni, S. Cecchini, F. Cei, V. Chiarella, C. Chiera, A. Cobis, R. Cormack, A. Corona, D. Cosson, S. Coutu, I. D'Antone, G. De Cataldo, C. De Marzo, U. Denni, N. De Seriis, M. DeVincenzi, A. Di Credico, E. Diehl, R. Diotallevi, O. Erriquez, C. Favuzzi, D. Ficenec, C. Forti, L. Foti, A. Frani, P. Fusco, F. Gherarducci, G. Giacomelli, G. Giannini, N. Giglietto, P. Giubellino, M. Grassi, P. Green, A. Grillo, F. Guarino, C. Gustavino, A. Habig, J. Hanson, E. Hazen, R. Heinz, J.T. Hong, E. Iarocci, E. Katsavounidis, E. Kearns, S. Klein, S. Kyriazopoulou, E. Lamanna, C. Lane, C. Lee, D. Levin, P. Lipari, G. Liu, R. Liu, M.J. Longo, G.

Ludlam, G. Mancarella, G. Mandrioli, A. Marin, A. Marini, D. Martello, G. Martellotti, A. Marzari Chiesa, M. Masera, P. Matteuzzi, A. Mengucci, S. Merritt, D.G. Michael, L. Miller, P. Monacelli, M. Mongelli, M. Monteno, S. Mufson, J. Musser, S. Nutter, C. Okada, G. Osteria, O. Palamara, P. Parascandalo, S. Parlati, V. Patera, L. Patrizii, R. Pazzi, C.W. Peck, G. Pellizzoni, M. Perchiazzi, J. Petrakis, S. Petrera, N.D. Pignatano, C. Pinto, P. Pistilli, F. Predieri, L. Ramello, J. Reynoldson, F. Ronga, G. Rosa, A. Sacchetti, G. Sanzani, C. Satriano, L. Satta, E. Scapparone, K. Scholberg, A. Sciubba, P. Serra Lugaresi, M. Severi, M. Sitta, P. Spinelli, M. Spinetti, M. Spurio, J. Steele, R. Steinberg, J.L. Stone, L.R. Sulak, A. Surdo, G. Tarlé, A. Tazzioli, V. Togo, V. Valente, G.R. Verdone, C.W. Walter, R. Webb, F. Welte and W. Worstell, First supermodule of the MACRO detector at Gran Sasso A324 (1993) 337
Madansky, L., see Etkin, A. A323 (1992) 224
Madaras, R.J., see DØ Collaboration A324 (1993) 53
Madaras, R.J., see Aihara, H. A325 (1993) 393
Madden, R., see DØ Collaboration A324 (1993) 53
Madden, R., see Aihara, H. A325 (1993) 393
Madejski, G.M., see McCammon, D. A326 (1993) 154
Maeda, N., see Ito, S. A329 (1993) 564
Maehlum, G., see Bingefors, N. A328 (1993) 447
Maggi, B., see Aulchenko, V.M. A327 (1993) 193
Maggiora, A., see Balestra, F. A323 (1992) 523
Maguire, C.F., see Gobbi, A. A324 (1993) 156
Maier-Komor, P., see Dollinger, G. A328 (1993) 168
Maiolino, C., see Del Zoppo, A. A327 (1993) 363
Maiolino, C., see Bellia, G. A329 (1993) 173
Maire, M., see Aubert, B. A321 (1992) 467
Maire, M., see Aubert, B. A325 (1993) 116
Maire, M., see RD3 Collaboration A330 (1993) 405
Mairon, H., see Düren, M. A322 (1992) 13
Maisheev, V.A., see Asseev, A.A. A330 (1993) 39
Majewski, S., B. Kross, R. Wojcik, A. Weisenberger and C. Zorn, Studies of position sensitive photomultipliers in readout of scintillating and waveshifting fibers A323 (1992) 489
Majewski, S., see Weisenberger, A. A327 (1993) 500
Makhankov, A.V., see Bychkov, V.N. A325 (1993) 158
Makino, F., Dead-time correction for asynchronous and synchronous readout systems with buffer memories . A323 (1992) 645
Malaguti, G., see Caroli, E. A322 (1992) 639
Malaguti, G., see Baldazzi, G. A322 (1992) 644
Malakhov, A., see Kozma, P. A322 (1992) 302
Malakhov, A., see Kozma, P. A328 (1993) 599
Malamud, E., see DØ Collaboration A324 (1993) 53
Malamud, G., see Pansky, A. A323 (1992) 294
Malamud, G., see Pansky, A. A330 (1993) 150
Malatesta, M., see Iori, I. A325 (1993) 458
Malatesta, M., see Bassini, R. A327 (1993) 535
Malinovskaya, S.A., see Britvich, G.I. A326 (1993) 483
Malishev, O.B., see Palmieri, V. A328 (1993) 280
Malkin, E., see Kella, D. A329 (1993) 440
Mall, U., see CPLEAR Collaboration A321 (1992) 458
Maloney, P.S., see Ward, H. A321 (1992) 583
Maltezos, A., see Anassontzis, E.G. A323 (1992) 351
Maltezos, S., see Anassontzis, E.G. A323 (1992) 351
Malvezzi, S., see Frabetti, P.L. A329 (1993) 62
Mamidjanian, E.A., see Danilova, T.V. A323 (1992) 104
Maña, C., see Adeva, B. A323 (1992) 109
Mancarella, G., see MACRO Collaboration A324 (1993) 337
Manchanda, R.K., see Ye, Z. A329 (1993) 140
Mandelli, L., see Aubert, B. A321 (1992) 467
Mandelli, L., see Aubert, B. A325 (1993) 116
Mandelli, L., see RD3 Collaboration A330 (1993) 405
Mandrioli, G., see MACRO Collaboration A324 (1993) 337
Mandrou, P., see Lei, F. A321 (1992) 598
Manduci, L., see Colonna, N. A321 (1992) 529
Manduci, L., see Iori, I. A325 (1993) 458

Mane, S.R., Polarization of electron beams in high energy storage rings. Part I. Convergence of perturbation theory A321 (1992) 21
Mane, S.R., Polarization of electron beams in high energy storage rings. Part II. Series expansion with tune modulation A321 (1992) 42
Mane, S.R., Solutions of Laplace's equation in two dimensions with a curved longitudinal axis A321 (1992) 365
Manfredi, P.F., see Buttler, W. A326 (1993) 63
Manfredi, P.F., see Radeka, V. A326 (1993) 77
Manfredi, P.F., see Aulchenko, V.M. A327 (1993) 193
Manfredi, P.F., see Frabetti, P.L. A329 (1993) 62
Manfredotti, C., R. Marchisio and U. Nastasi, A simulation study of a cadmium telluride spectrometer A322 (1992) 331
Manfredotti, C., F. Faccio, F. Fizzotti and R. Marchisio, Study and realization of an amorphous silicon X-ray detector with effective energy sensitivity A322 (1992) 483
Mangeot, Ph., see DØ Collaboration A324 (1993) 53
Mango, S., see Berger, C. A330 (1993) 285
Manko, V., see Gobbi, A. A324 (1993) 156
Manly, S., see Axen, D. A328 (1993) 472
Mannel, E.J., see Frabetti, P.L. A329 (1993) 62
Mannelli, E., see Batignani, G. A326 (1993) 183
Mannelli, I., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Männer, W., see Batignani, G. A326 (1993) 183
Manning, I., see DØ Collaboration A324 (1993) 53
Manno, I., see Ranucci, G. A324 (1993) 580
Manno, I., see Bonetti, S. A329 (1993) 314
Manno, I., see Ranucci, G. A330 (1993) 276
Mannocchi, G., see Benetti, P. A327 (1993) 203
Mannocchi, G., see Benetti, P. A329 (1993) 361
Mansoulie, B., see Aubert, B. A321 (1992) 467
Mansoulie, B., see RD3 Collaboration A330 (1993) 405
Mansoulié, B., see DØ Collaboration A324 (1993) 53
Mansoulié, B., see Aubert, B. A325 (1993) 116
Mant, G.R., see Bras, W. A326 (1993) 587
Manweiler, R.W., see Stanislaus, S. A323 (1992) 198
Mao, H.-S., see DØ Collaboration A324 (1993) 53
Mao, Y.F., see Adeva, B. A323 (1992) 109
Marangelli, B., see Bellotti, R. A323 (1992) 71
Marchand, C., see Blank, B. A330 (1993) 83
Marchant, J., see Abbott, B. A327 (1993) 319
Marchetti, A.A. and A.C. Mignerey, Deconvolution of mass spectra A324 (1993) 288
Marchisio, R., see Manfredotti, C. A322 (1992) 331
Marchisio, R., see Manfredotti, C. A322 (1992) 483
Marconi, U., see Affatato, S. A325 (1993) 417
Margagliotti, G.V., see Iori, I. A325 (1993) 458
Margulies, S., see Abbott, B. A327 (1993) 319
Mari, C., see Dattoli, G. A321 (1992) 447
Marigo, A., see Pavan, P. A327 (1993) 600
Marigo, S., see Fortuna, G. A328 (1993) 236
Marin, A., see MACRO Collaboration A324 (1993) 337
Marinescu, L., G. Pascovici, V. Zoran, R. Dumitrescu, T. Sireteanu, E. Iordăchescu, I. Filimon and A. Winkler, Earthquake protection and other improvements to the Bucharest FN tandem accelerator A328 (1993) 90
Marini, A., see MACRO Collaboration A324 (1993) 337
Marini, G., see MINI Collaboration A324 (1993) 330
Marinković, P., S. Avdić, M. Pešić and N. Zavaljevski, The effect of the neutron spectra unfolding method on the fast neutron dose determination A321 (1992) 333
Markakis, J., see James, K. A322 (1992) 390
Markham, C. and J. Fryar, Element specific imaging in computerised tomography using a tube source of X-rays and low energy-resolution detector system A324 (1993) 383
Markou, A., see Anassontzis, E.G. A323 (1992) 351
Markytan, M., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Marlow, D.R., see Atiya, M.S. A321 (1992) 129

Marquardt, M., see Gobbi, A. A324 (1993) 156
Marsaudon, J.C., see Lutz, J.R. A328 (1993) 113
Marschall, J., see James, K. A322 (1992) 390
Marshall, R., see Bailey, J.M. A323 (1992) 184
Marshall, R., see Grässler, H. A323 (1992) 401
Marshall, T., see DØ Collaboration A324 (1993) 53
Martello, D., see MACRO Collaboration A324 (1993) 337
Martellotti, G., see Bacci, C. A324 (1993) 83
Martellotti, G., see MACRO Collaboration A324 (1993) 337
Martens, K., see Beusch, W. A323 (1992) 373
Martin, A., see Ahmidouch, A. A326 (1993) 538
Martin, A.J., see Allport, P.P. A324 (1993) 34
Martin, A.J., see Baines, J.T.M. A325 (1993) 271
Martin, H.J., see DØ Collaboration A324 (1993) 53
Martin, J.D., see Ward, H. A321 (1992) 583
Martin, J-P., see Allport, P.P. A324 (1993) 34
Martin, J.P., see Baines, J.T.M. A325 (1993) 271
Martin, P.S., see DØ Collaboration A324 (1993) 53
Martin, R., see Bailey, J.M. A323 (1992) 184
Martin, R., see Grässler, H. A323 (1992) 401
Martinčič, R., see Korun, M. A325 (1993) 478
Martinelli, R., see Bakker, F. A330 (1993) 44
Martinengo, P., see Adinolfi, M. A329 (1993) 117
Martinez-Laso, L., see Adeva, B. A323 (1992) 109
Martino, M., see Luches, A. A322 (1992) 166
Martirosov, R.M., see Danilova, T.V. A323 (1992) 104
Martínez, M., see Alemany, R. A330 (1993) 422
Marx, J.-P., see Roy, P. A325 (1993) 568
Marx, M., see DØ Collaboration A324 (1993) 53
Marx, M., see Aihara, H. A325 (1993) 393
Marzano, F., see Bastianello, G. A324 (1993) 543
Marzari Chiesa, A., see MACRO Collaboration A324 (1993) 337
Marzulli, V., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Mascarini, C., see Ahmidouch, A. A326 (1993) 538
Maschuw, R., see EDDA Collaboration A329 (1993) 151
Masciocchi, S., see Brenner, R. A326 (1993) 189
Masera, M., see MACRO Collaboration A324 (1993) 337
Maslennikov, A., see CHARM-II Collaboration A325 (1993) 92
Maslennikov, A.L., see Aulchenko, V.M. A327 (1993) 193
Mason, G., see Axen, D. A328 (1993) 472
Massa, I., see Affatato, S. A325 (1993) 417
Massai, M.M., see Angelini, F. A323 (1992) 229
Massaro, G.G.G., see Adeva, B. A323 (1992) 109
Massarotti, A., see D'Auria, G. A329 (1993) 393
Masson, S., see Bailey, J.M. A323 (1992) 184
Masson, S., see Grässler, H. A323 (1992) 401
Mast, M., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Masterson, M.J., see Iwanczyk, J.S. A322 (1992) 421
Mastinu, P.F., see Colonna, N. A321 (1992) 529
Masuda, K., see Ichinose, H. A322 (1992) 216
Masuda, K., see Hasegawa, Y. A327 (1993) 57
Masuda, K., H. Yuta, K. Abe, K. Hasegawa, F. Suekane, N. Kawamura, J. Katayama, T. Nakajima, H. Hanada, K. Neichi, Y. Hasegawa, Y. Iwasaki, K. Suzuki, M. Kuriki, M. Higuchi, Y. Hoshi, H. Iso, M. Sakamoto, R. Kikuchi, K. Miyano and K. Ishimaru, Characteristics of an ionization chamber using tetramethylgermanium A327 (1993) 134
Masuda, K., see Ishida, N. A327 (1993) 152
Masuda, K., see Chen, M. A327 (1993) 187
Masuda, T., M. Tomizawa, Y. Nagashima, N. Nakamoto and Y. Tagishi, The fluorescent decay of CsI(Tl) scintillator for charged particles of different ionization density (*Letter to the Editor*) A322 (1992) 135

Matafonov, V.N., see Ball, J. A327 (1993) 308
Matheis, V., see Brecht, D. A323 (1992) 60
Matheson, J., see Beaumont, S.P. A321 (1992) 172
Matheson, J., see Beaumont, S.P. A322 (1992) 472
Matheson, J., see Beaumont, S.P. A326 (1993) 313
Mathieson, E., see Fraga, F.A. A323 (1992) 333
Mathis, Y.-L., see Roy, P. A325 (1993) 568
Mathy, F., see Verger, L. A322 (1992) 357
Mathy, F., M. Cuzin, J.J. Gagelin, R. Mermet, B. Piaget, J. Rustique, L. Verger, A. Hauducoeur, P. Nicolas, L. Le Dain and M. Hyvernage, Application of GaAs and CdTe photoconductor detectors to X-ray flash radiography A322 (1992) 615
Matinian, S.G., see Danilova, T.V. A323 (1992) 104
Matiullah, see Takata, N. A324 (1993) 226
Mató, P., see Alemany, R. A330 (1993) 422
Matoba, M., see Uozumi, Y. A324 (1993) 558
Matsuki, I.L.S., see Duong, H.T. A325 (1993) 465
Matsumoto, H., H. Baba, S. Yamaguchi and A. Miura, High power test of a SLED system with dual side-wall coupling irises for linear colliders A330 (1993) 1
Matsumura, A., T. Takahashi and M. Kurakado, X-ray detection with $Nb/AlO_x/Nb$ superconducting tunnel junctions and energy diffusion effect on energy resolution A329 (1993) 227
Matsuno, S., see Becker-Szendy, R. A324 (1993) 363
Matteuzzi, P., see MACRO Collaboration A324 (1993) 337
Matthaey, H., see Crystal Barrel Collaboration A321 (1992) 69
Matthews, J., see Becker-Szendy, R. A324 (1993) 363
Matthews, J.A.J., see Barberis, E. A326 (1993) 373
Mattison, T., see Batignani, G. A326 (1993) 183
Matulewicz, T., see Gobbi, A. A324 (1993) 156
Matulewicz, T., W. Henning, H. Emling, R. Freifelder, H. Grein, E. Grosse, N. Herrmann, R. Holzmann, R. Kulessa, R.S. Simon, H.J. Wollersheim, B. Schoch, J. Vogt, M. Wilhelm, J.V. Kratz, R. Schmidt and R.V.F. Janssens, Response of BGO detectors to photons of 3–50 MeV energy A325 (1993) 216
Matulewicz, T., Quenching of scintillation in BaF_2 for light charged particles (*Letter to the Editor*) A325 (1993) 365
Maurenzig, P.R., see Poggi, G. A324 (1993) 177
Mauri, F., see Benetti, P. A327 (1993) 173
Mauri, F., see Benetti, P. A327 (1993) 203
Mauri, F., see Benetti, P. A329 (1993) 361
Maurin, G., see Givernaud, A. A321 (1992) 551
Maxfield, S.J., see Bailey, J.M. A323 (1992) 184
Maxfield, S.J., see Grässler, H. A323 (1992) 401
Maxfield, S.J., see EHIT Collaboration A323 (1992) 407
Maximov, A.V., see Anashkin, E.V. A323 (1992) 178
Mayade, S., see Gobbi, A. A324 (1993) 156
Mayer, H.J., A fast reconstruction method for shower direction at large extended air shower arrays A330 (1993) 254
Mayer, R.E., N.E. Patiño, P.C. Florido, S.E. Gómez, J.R. Granada and V.H. Gillette, Neutron detection system for extremely low count rate. Calculation, construction and employment in search for "cold fusion" A324 (1993) 501
Mayer-Kuckuk, T., see EDDA Collaboration A329 (1993) 151
Mayet, N., see Brenner, R. A326 (1993) 189
Mayorov, A., see DØ Collaboration A324 (1993) 53
Mazataud, D., see Nail, M. A322 (1992) 518
Mazumdar, G.K.D., see Nath, D. A330 (1993) 293
Mazur, C., see Lanzanó, G. A323 (1992) 694
Mazzanti, M., see Aubert, B. A321 (1992) 467
Mazzanti, M., see Aubert, B. A325 (1993) 116
Mazzanti, M., see RD3 Collaboration A330 (1993) 405
Mazzaschi, L., see Zucchiatti, A. A321 (1992) 219
Mazzaschi, L., see Anghinolfi, M. A324 (1993) 191
Mazzei, D., see Conti, M. A322 (1992) 591
Mazzoldi, P., see Bollini, D. A328 (1993) 173
Mazzone, L., see Benetti, P. A327 (1993) 173
Mazzone, L., see Benetti, P. A327 (1993) 203
Mazzone, L., see Benetti, P. A329 (1993) 361
Mazzucato, M., see Bingefors, N. A328 (1993) 447

McAdams, R., see Proudfoot, G. ... A328 (1993) 47
McBride, P., see Adeva, B. ... A323 (1992) 109
McCammon, D., W. Cui, M. Juda, J. Morgenthaler, J. Zhang, R.L. Kelley, S.S. Holt, G.M. Madejski, S.H. Moseley and A.E. Szymkowiak, Thermal calorimeters for high resolution X-ray spectroscopy ... A326 (1993) 154
McCarthy, R., see DØ Collaboration ... A324 (1993) 53
McClelland, J.B., see Langenbrunner, J. ... A325 (1993) 187
McCollum, T., see Spector, G.B. ... A326 (1993) 526
McCollum, T., see Spector, G.B. ... A329 (1993) 223
McCubbin, N.A., see EHIT Collaboration ... A323 (1992) 407
McDonald, A.B., see Liu, M. ... A329 (1993) 291
McDonald, K.T., see Anderson, W.S. ... A323 (1992) 273
McDonald, W.J., see Cairns, E.B. ... A321 (1992) 109
McFarlane, K., see Albee, M. ... A325 (1993) 429
McGrath, G., see Becker-Szendy, R. ... A324 (1993) 363
McGregor, D.S., G.F. Knoll, Y. Eisen and R. Brake, Bulk GaAs room temperature radiation detectors ... A322 (1992) 487
McGrew, C., see Becker-Szendy, R. ... A324 (1993) 363
McIlwain, R., see Abbott, B. ... A327 (1993) 319
McKeown, R.D., see Barber, D.P. ... A329 (1993) 79
McKinley, J., see DØ Collaboration ... A324 (1993) 53
McMahon, S.J., see Bailey, J.M. ... A323 (1992) 184
McMahon, S.J., see Grässler, H. ... A323 (1992) 401
McMahon, T., see Adeva, B. ... A323 (1992) 109
McMurray, W.R., D.G. Aschman, K. Bharuth-Ram and R.W. Fearick, The Faure cyclotron neutron source and a particle spectrometer for neutron induced emission of charged particles at energies between 60 and 200 MeV ... A329 (1993) 217
McNaughton, K.H., see Supek, I. ... A324 (1993) 19
McNaughton, M.W., see Supek, I. ... A324 (1993) 19
McNeil, M., see Batignani, G. ... A326 (1993) 183
McNeil, P., see Parker, D.J. ... A326 (1993) 592
McNulty, R., see Bingefors, N. ... A328 (1993) 447
McParland, B.J. and M. Munshi, Responses of TLD-700 dosimeters shielded by various neutron absorbers in a mixed neutron/photon field (*Letter to the Editor*) ... A322 (1992) 308
Meadows, J.W., The ^{9}Be(d, n) thick-target neutron spectra for deuteron energies between 2.6 and 7.0 MeV ... A324 (1993) 239
Meads, R.E., see Cousins, C.S.G. ... A324 (1993) 598
Meas, V.Y., see Becerril, V.A. ... A328 (1993) 512
Mecking, B.A., see Barbosa, F.J. ... A323 (1992) 191
Medbo, J., see Boštjančič, B. ... A323 (1992) 363
Meddeler, G., see Munday, D. ... A326 (1993) 100
Medinnis, M., see Brandt, A. ... A327 (1993) 412
Medkour, G., see Asghar, M. ... A330 (1993) 178
Medrick, S., see Lund, J.C. ... A322 (1992) 464
Medrick, S., see Olschner, F. ... A322 (1992) 504
Medvedev, A., see Bondarenko, V. ... A327 (1993) 386
Meidinger, N., see Pinotti, E. ... A326 (1993) 85
Meidinger, N., see Bräuninger, H. ... A326 (1993) 126
Meidinger, N., see Lechner, P. ... A326 (1993) 284
Meienburg, W., see Bitter, T. ... A321 (1992) 284
Meijers, F., see Charlton, D.G. ... A325 (1993) 129
Meijers, F., see Baines, J.T.M. ... A325 (1993) 271
Mélèse, P., R. Rusack, P. Cushman and V. Singh, Electron identification and the detection of synchrotron radiation with a preshower detector ... A322 (1992) 189
Melissinos, A.C., see Bamber, C. ... A327 (1993) 227
Meller, R., see Rubin, D.L. ... A330 (1993) 12
Menary, S., see Batignani, G. ... A326 (1993) 183
Menasce, D., see Frabetti, P.L. ... A329 (1993) 62
Mencarini, D., see Anzivino, G. ... A329 (1993) 521
Mende, G., H. Flietner and M. Deutscher, Anodic oxidation as a method for low temperature passivation of silicon radiation detectors ... A326 (1993) 16
Mendez, A.J., E.G. Myers, K.W. Kemper, P.L. Kerr, E.L. Reber and B.G. Schmidt, Determination of the on-target polarization of an optically-pumped polarized lithium ion beam ... A329 (1993) 37
Mendez, H., see Frabetti, P.L. ... A329 (1993) 62

Meneguzzo, A., see Bakker, F. A330 (1993) 44
Menetrey, A., see Adinolfi, M. A329 (1993) 117
Meng, B., see Chang, T. A325 (1993) 196
Meng, X.C., see DØ Collaboration A324 (1993) 53
Mengucci, A., see MACRO Collaboration A324 (1993) 337
Mennella, S., see CHARM-II Collaboration A325 (1993) 92
Mercurio, G., see Albertini, G. A321 (1992) 381
Mergui, S., M. Hage-Ali, J.M. Koebel and P. Siffert, Thermal annealing of gold deposited contacts on high resistivity p-type CdTe nuclear detectors A322 (1992) 375
Mergui, S., M. Hage-Ali, J.M. Koebel and P. Siffert, Effect of hydrogen on high resitivity p-type CdTe A322 (1992) 381
Merkel, B., see Aubert, B. A321 (1992) 467
Merkel, B., see Aubert, B. A325 (1993) 116
Merkel, B., see RD3 Collaboration A330 (1993) 405
Merkel, M., see Crystal Barrel Collaboration A321 (1992) 69
Merlo, J.P., see Crystal Barrel Collaboration A321 (1992) 69
Mermet, R., see Mathy, F. A322 (1992) 615
Mermod, R., see Bay, A. A321 (1992) 119
Merola, L., see Adeva, B. A323 (1992) 109
Meron, M., Design and optimization of time-of-flight spectrometers. Part II A330 (1993) 259
Meroni, C., see Caccia, M. A321 (1992) 348
Meroni, C., see Bingefors, N. A328 (1993) 447
Meroni, E., see Frabetti, P.L. A329 (1993) 62
Meroni, E., see Bonetti, S. A329 (1993) 314
Merritt, F.S., see Hobbs, J.D. A325 (1993) 494
Merritt, K.W., see DØ Collaboration A324 (1993) 53
Merritt, S., see MACRO Collaboration A324 (1993) 337
Merritt, W., see Aihara, H. A325 (1993) 393
Mertler, G., see EDDA Collaboration A329 (1993) 151
Messineo, A., see Conti, M. A322 (1992) 591
Mestayer, M.D., see Barbosa, F.J. A323 (1992) 191
Metsch, B., see EDDA Collaboration A329 (1993) 151
Metzger, M., see Düren, M. A322 (1992) 13
Metzner, G., see Pinotti, E. A326 (1993) 85
Meur, G.L., see RD3 Collaboration A330 (1993) 405
Meyer, C., see Wolff, Th. A323 (1992) 537
Meyer, C.A., see Crystal Barrel Collaboration A321 (1992) 69
Meyer, C.A., see Eichenberger, S. A323 (1992) 532
Meyer, F., see Behrens, U. A323 (1992) 611
Meyer, H.O., see Ross, M.A. A326 (1993) 424
Meyer, H.O., see v. Przewoski, B. A328 (1993) 435
Meyer, H.-O., see Pollock, R.E. A330 (1993) 380
Meyer, J.P., see Aubert, B. A321 (1992) 467
Meyer, J.P., see Aubert, B. A325 (1993) 116
Meyer, J.P., see RD3 Collaboration A330 (1993) 405
Meyer-Berkhout, U., see Crystal Barrel Collaboration A321 (1992) 69
Meyers, P.D., see Atiya, M.S. A321 (1992) 129
Meyners, N., see Barber, D.P. A329 (1993) 79
Mezi, L., see Dattoli, G. A321 (1992) 447
Mezzetto, M., see Bitter, T. A321 (1992) 284
Mgebrishvili, G., see Gobbi, A. A324 (1993) 156
Michael, D.G., see MACRO Collaboration A324 (1993) 337
Michaels, R., see Beusch, W. A323 (1992) 373
Michailov, K.V., see Andreyev, A.N. A330 (1993) 125
Michalowski, J., see Boštjančič, B. A323 (1992) 363
Michaut, J., see Roy, P. A325 (1993) 568
Micheel, B., see Barber, D.P. A329 (1993) 79
Michel, E., see Ehrlichmann, H. A323 (1992) 452
Michel, J., see Bingefors, N. A326 (1993) 112
Michel, M., Calculation of pressure profiles in accelerators using a matrix method A322 (1992) 1
Middleton, R.P., see Baines, J.T.M. A325 (1993) 271
Migneco, E., see Del Zoppo, A. A327 (1993) 363

Migneco, E., see Bellia, G. ... A329 (1993) 173
Mignerey, A.C., see Marchetti, A.A. ... A324 (1993) 288
Mihai, I., see Iacob, V.E. ... A325 (1993) 373
Mihailidis, D.N., see Langenbrunner, J. ... A325 (1993) 187
Mihara, A., see Usuda, S. ... A321 (1992) 247
Miklazky, E., see Kella, D. ... A329 (1993) 440
Milazzo, P.M., see Colonna, N. ... A321 (1992) 529
Milazzo, P.M., see Iori, I. ... A325 (1993) 458
Milder, A., see DØ Collaboration ... A324 (1993) 53
Milder, A., see Aihara, H. ... A325 (1993) 393
Mildner, D.F.R., see Carpenter, J.M. ... A325 (1993) 255
Milenov, T.I. and M.M. Gospodinov, Melt growth of CdTe crystals and investigation of their grain boundaries A322 (1992) 363
Milenov, T.I. and M.M. Gospodinov, Growth of large CdTe crystals by the Bridgman method ... A322 (1992) 368
Miljanić, Đ., see Blagus, S. ... A321 (1992) 271
Miller, L., see MACRO Collaboration ... A324 (1993) 337
Miller, R., see Becker-Szendy, R. ... A324 (1993) 363
Millon, G., see Bouclier, R. ... A323 (1992) 240
Mills, G.D., see Alton, G.D. ... A328 (1993) 154
Mills, G.D., see Alton, G.D. ... A328 (1993) 325
Milner, R., see Barber, D.P. ... A329 (1993) 79
Milosevich, Z., M.L. Muga and R.L. Coldwell, Determination of nuclear charge resolution of a thin film detector using a ^{252}Cf fission fragment source ... A321 (1992) 254
Milov, A.M., see Arzhannikov, A.V. ... A321 (1992) 539
Milov, A.M., see Kezerashvili, G.Ya. ... A328 (1993) 506
Milstein, F., see James, K. ... A322 (1992) 390
Mimura, K., see Ueda, Y. ... A330 (1993) 140
Minakov, G.D., see Baru, S.E. ... A323 (1992) 151
Minakov, G.D., Yu.N. Pestov, V.S. Prokopenko and L.I. Shekhtman, Performance of gas microstrip chambers on glass with ionic and electronic conductivity ... A326 (1993) 566
Mincer, A., see DØ Collaboration ... A324 (1993) 53
Mincer, A., see Axen, D. ... A328 (1993) 472
Miné, P., see Bräuning, H. ... A327 (1993) 369
Minhas, B.K., see Anzivino, G. ... A329 (1993) 521
MINI Collaboration, D'Aquino, F., G. Iaselli, S. Nuzzo, A. Ranieri, F. Romano, P. Pistilli, M. Ambrosio, G.C. Barbarino, B. Bartoli, D. Campana, M. Iacovacci, F. Guarino, G. Osteria, V. Silvestrini, S. Del Sordo, L. Scarsi, G. Bressi, A. Lanza, M. Bonori, A. Nigro, R. Cardarelli, R. Santonico, M. Guida and G. Marini, Rejection power of a horizontal RPC telescope for left and right coming cosmic muons ... A324 (1993) 330
Minowa, M., M. Sakamoto, Y. Ito, T. Watanabe and W. Ootani, Cryogenic thermal detector with LiF absorber for direct matter search experiment (*Letter to the Editor*) ... A327 (1993) 612
Mio, H., see Laggner, P. ... A323 (1992) 86
Mirza, N.M., see Ahmad, N. ... A321 (1992) 403
Mirza, S.M., see Ahmad, N. ... A321 (1992) 403
Mischke, R.E., see Stanislaus, S. ... A323 (1992) 198
Mishina, M., see Hauser, J. ... A321 (1992) 497
Mishra, S., see Caldwell, A. ... A321 (1992) 356
Misiakos, K., see Kavadias, S. ... A322 (1992) 562
Misiakos, K., D. Loukas, E. Tsoi and S. Kavadias, Characterization of high resistivity detector diodes by forward bias measurements ... A326 (1993) 38
Miśkowiec, D., see Senger, P. ... A327 (1993) 393
Mit', A.G., see Karetskaya, S.P. ... A329 (1993) 202
Mitchell, G.E., see Triple Collaboration ... A326 (1993) 549
Mitchell, J.W., see Hanna, D. ... A324 (1993) 14
Mitsuhashi, T., see Sakanaka, S. ... A325 (1993) 1
Mityagin, M.V., see Buzulutskov, A.F. ... A322 (1992) 235
Miura, A., see Matsumoto, H. ... A330 (1993) 1
Miura, T., see Kobayashi, M. ... A328 (1993) 501
Miura, T., see Kobayashi, M. ... A330 (1993) 115
Miyabayashi, K., see Uno, S. ... A330 (1993) 55
Miyagi, T., see Nagae, T. ... A323 (1992) 236
Miyahara, H., K. Hara, C. Mori, Y. Kasugai and K. Kawade, Precise measurement of γ-ray emission probabilities for ^{66}Cu ... A324 (1993) 219

Miyake, K., see Yamada, Y. ... A330 (1993) 64
Miyano, K., see Masuda, K. ... A327 (1993) 134
Miyashita, S., see Apollinari, G. ... A324 (1993) 475
Miyata, E., see Tsunemi, H. ... A321 (1992) 629
Mizobuchi, A., see Tomizawa, M. ... A326 (1993) 399
Mizota, T., see Futami, Y. ... A326 (1993) 513
Mnatcakanian, E.A., see Danilova, T.V. ... A323 (1992) 104
Mockett, P., see Axen, D. ... A328 (1993) 472
Moers, Th., see Faissner, H. ... A330 (1993) 76
Mögel, P., see Wink, R. ... A329 (1993) 541
Mohan, M., see Bräuninger, H. ... A326 (1993) 126
Mohr, W., see Biebel, O. ... A323 (1992) 169
Moisa, D., see Gobbi, A. ... A324 (1993) 156
Moisan, C., see Allport, P.P. ... A324 (1993) 34
Moisio, M.F., see Fortuna, G. ... A328 (1993) 236
Mokeev, V., see Zucchiatti, A. ... A321 (1992) 219
Mokeev, V., see Anghinolfi, M. ... A324 (1993) 191
Mokhov, N.V., see Kurochkin, I.A. ... A329 (1993) 367
Mommaert, C., Optoelectronic readout for scintillating fiber trackers ... A323 (1992) 477
Mommaert, Ch., see Bähr, J. ... A324 (1993) 145
Monacelli, P., see MACRO Collaboration ... A324 (1993) 337
Mondardini, M.R., see Da Via, C. ... A323 (1992) 419
Mondardini, R., see Bencheikh, B. ... A323 (1992) 398
Moneta, L., see Batignani, G. ... A326 (1993) 183
Mongelli, M., see MACRO Collaboration ... A324 (1993) 337
Montanari, A., see Baines, J.T.M. ... A325 (1993) 271
Montanari, C., see Benetti, P. ... A327 (1993) 173
Montanari, C., see Benetti, P. ... A327 (1993) 203
Montanari, C., see Benetti, P. ... A329 (1993) 361
Montanet, L., see Crystal Barrel Collaboration ... A321 (1992) 69
Montarou, G., see Gobbi, A. ... A324 (1993) 156
Montbel, I., see Gobbi, A. ... A324 (1993) 156
Montemurro, P., see Pile, P.H. ... A321 (1992) 48
Monteno, M., see MACRO Collaboration ... A324 (1993) 337
Mooney, P., see DØ Collaboration ... A324 (1993) 53
Moore, C.F., see Ward, H. ... A321 (1992) 583
Moorhead, G., see Munday, D. ... A326 (1993) 100
Moorhead, G., see Anghinolfi, F. ... A326 (1993) 365
Mora, E., see Iori, I. ... A325 (1993) 458
Morales, A., see Morales, J. ... A321 (1992) 410
Morales, J., E. Garcia, A. Ortiz de Solorzano, A. Morales, R. Nuñez-Lagos, J. Puimedon, C. Saenz and J.A. Villar, Filtering microphonics in dark matter germanium experiments ... A321 (1992) 410
Morand, G., see Bay, A. ... A321 (1992) 119
Moravec, P., see Höschl, P. ... A322 (1992) 371
Morel, C., see Pagès, J.L. ... A321 (1992) 342
Morel, P., see Gobbi, A. ... A324 (1993) 156
Morgan, M., see Demortier, L. ... A324 (1993) 77
Morgan, S.H., see Burger, A. ... A322 (1992) 427
Morganti, M., see Affatato, S. ... A325 (1993) 417
Morgenstern, H., see Pausch, G. ... A322 (1992) 43
Morgenthaler, J., see McCammon, D. ... A326 (1993) 154
Mori, C., see Aoyama, T. ... A322 (1992) 170
Mori, C., see Miyahara, H. ... A324 (1993) 219
Mori, C., see Yoshida, M. ... A330 (1993) 158
Mori, M., see Suzuki, A. ... A329 (1993) 299
Mori, S., see Asano, Y. ... A325 (1993) 109
Mori, T., see Ueno, K. ... A323 (1992) 601
Mori, Y., Recent development of negative heavy ion sources ... A328 (1993) 146
Morita, N., K. Ohtsuki and T. Yamazaki, Laser spectroscopy of metastable antiprotonic helium atomcules ... A330 (1993) 439
Moriya, H., see Hasebe, N. ... A325 (1993) 335
Moroni, A., see Iori, I. ... A325 (1993) 458

Moroni, A., see Bassini, R. A327 (1993) 535
Moroni, L., see Frabetti, P.L. A329 (1993) 62
Moroz, V.I., see Baryshevsky, V.G. A322 (1992) 231
Moroz, Z., see Düren, M. A322 (1992) 13
Moroz, Z.D., see Kondrashov, V.S. A328 (1993) 542
Morphis, R., see DØ Collaboration A324 (1993) 53
Morris, C.L., see Langenbrunner, J. A325 (1993) 187
Morris, T.W., see Etkin, A. A323 (1992) 224
Morrison, R.J., see Alexander, J.P. A326 (1993) 243
Morrison, R.J., see Schmidt, D.M. A328 (1993) 547
Mortensen, R.N., see Triple Collaboration A326 (1993) 549
Morton, J.M., see Grässler, H. A323 (1992) 401
Morton, J.M., see Bailey, J.M. A323 (1992) 184
Morton, J.M., see EHIT Collaboration A323 (1992) 407
Moschini, G., see Bollini, D. A328 (1993) 173
Mosel, F., see EDDA Collaboration A329 (1993) 151
Moseley, S.H., see McCammon, D. A326 (1993) 154
Moser, H.G., see Batignani, G. A326 (1993) 183
Moser, U., see Berger, C. A330 (1993) 285
Moses, D.J., see Kaplan, M. A327 (1993) 551
Moses, W.W., see Valentine, J.D. A325 (1993) 147
Moshammer, H., Transient response of the beam after injection into a storage ring A323 (1992) 553
Mösner, J., see Gobbi, A. A324 (1993) 156
Mössbauer, R.L., see Forster, G. A324 (1993) 491
Mössbauer, R.L., see Kraus, H. A326 (1993) 172
Moszyński, M., Timing properties of Philips XP2020UR photomultiplier A324 (1993) 269
Moszyński, M., Timing study with fast photomultipliers equipped with a screening grid at the anode A330 (1993) 100
Motin, Yu.D., see Antipov, A.V. A327 (1993) 346
Moulson, M., see Lindblad, Th. A324 (1993) 263
Moulson, M., see Vuillemin, V. A327 (1993) 44
Mountain, R.J., see Frabetti, P.L. A329 (1993) 62
Mourgue, G., see Anassontzis, E.G. A323 (1992) 351
Mours, B., see Batignani, G. A326 (1993) 183
Mouthuy, T., see CHARM-II Collaboration A325 (1993) 92
Movchan, S.A., see Bychkov, V.N. A325 (1993) 158
Moy, J.P., A. Koch and M.B. Nielsen, Conversion efficiency and time response of phosphors for fast X-ray imaging with synchrotron radiation A326 (1993) 581
Moy, L., see Lund, J.C. A322 (1992) 464
Moy, L.P., see Zhang, J. A322 (1992) 499
Moy, L.P., see Shah, K.S. A322 (1992) 509
Mozhzhukhin, E.N., see Vishnevsky, I.N. A328 (1993) 39
Muccifora, V., see Zucchiatti, A. A321 (1992) 219
Muccifora, V., see Anghinolfi, M. A324 (1993) 191
Mücklich, A., see Barber, D.P. A329 (1993) 79
Mudan, M., see DØ Collaboration A324 (1993) 53
Mudan, M.S., see Becker-Szendy, R. A324 (1993) 363
Mufson, S., see Levin, D.S. A322 (1992) 101
Mufson, S., see MACRO Collaboration A324 (1993) 337
Muga, M.L., see Milosevich, Z. A321 (1992) 254
Muheim, F., see Grossmann-Handschin, M. A327 (1993) 378
Mukai, J., see Nagashima, Y. A328 (1993) 338
Mukherjee, R., see Aprile, E. A327 (1993) 25
Mukherjee, R., see Aprile, E. A327 (1993) 216
Müller, D., see Buckley, J. A323 (1992) 380
Müller, F., see Cindro, V. A323 (1992) 314
Müller, K., see Eichenberger, S. A323 (1992) 532
Müller, K., see Wolff, Th. A323 (1992) 537
Müller, M., see Forker, M. A327 (1993) 456
Müller, N., see Stamm, W. A328 (1993) 601
Müller, Th., see Hauser, J. A321 (1992) 497
Müller, U., see Beusch, W. A323 (1992) 373

Mullins, M., see Chen, M. A327 (1993) 187
Mulvey, J.H., see Doucas, G. A328 (1993) 41
Munday, D., A. Parker, F. Anghinolfi, P. Aspell, M. Campbell, P. Jarron, E.H.M. Heijne, G. Meddeler, J.C. Santiard, H. Verweij, C. Gössling, R. Bonino, A.G. Clark, C. Couyoumtzelis, D. La Marra, X. Wu, G. Moorhead, A. Weidberg, D. Campbell, P. Murray, P. Seller, R. Stevens, E. Beuville, M. Rouget and J. Teiger, A 66 MHz, 32-channel analog memory circuit with data selection for fast silicon detectors A326 (1993) 100
Munday, D.J., see Anghinolfi, F. A326 (1993) 365
Münning, H., see Alfter, I. A321 (1992) 506
Munshi, M., see McParland, B.J. A322 (1992) 308
Munson, F.H., see Bollinger, L.M. A328 (1993) 221
Müntz, Ch., see Senger, P. A327 (1993) 393
Münzer, H. and L. Rohrer, The Munich MP-8 tandem: status after installation of extended VHV tubes A328 (1993) 52
Muon Group of the L3 Collaboration, see Adeva, B. A323 (1992) 109
Murakami, H., see Hasebe, N. A325 (1993) 335
Murakami, T., see Futami, Y. A326 (1993) 513
Muraki, H., see Aoyama, T. A322 (1992) 170
Murata, Y., see Horiuchi, N. A324 (1993) 574
Muratori, G., see Benetti, P. A327 (1993) 173
Muratori, G., see Benetti, P. A327 (1993) 203
Muraviev, S., see Bondarenko, V. A327 (1993) 386
Muraviev, S.V., see Lebedev, P.K. A327 (1993) 138
Murayama, T., see Duong, H.T. A325 (1993) 465
Murolo, F., see Grassi, D. A322 (1992) 449
Murphy, C.T., see DØ Collaboration A324 (1993) 53
Murray, P., see Munday, D. A326 (1993) 100
Müßeler, R., see Forker, M. A327 (1993) 456
Musser, J., see Levin, D.S. A322 (1992) 101
Musser, J., see MACRO Collaboration A324 (1993) 337
Mutchler, G.S., see Etkin, A. A323 (1992) 224
Mutchler, G.S., see Ahmad, S. A330 (1993) 416
Muto, H., see Tomizawa, M. A326 (1993) 399
Myae, E.A., see Asseev, A.A. A324 (1993) 31
Myalitsin, V.K., H.-J. Besch, H.W. Schenk and A.H. Walenta, A multichannel position sensitive ionization chamber for X-ray intensity monitoring A323 (1992) 97
Myers, E.G., see Mendez, A.J. A329 (1993) 37
Myrheim, J., see Bugge, L. A327 (1993) 296
Myrheim, J., H. Rue and L. Bugge, A simple algorithm for large, nonlinear or singular least squares problems A327 (1993) 539

Na, S.H. and T.A. Parish, Neutron production measurements from an LiD fusion plate using an NE-213 detector A321 (1992) 322
Naaman, R., see Kella, D. A329 (1993) 440
Naday, I., see Stanton, M. A325 (1993) 558
Nagae, T., T. Tanimori, T. Kobayashi and T. Miyagi, Development of microstrip gas chambers with multi-chip technology A323 (1992) 236
Nagai, R., see Tomizawa, M. A326 (1993) 399
Nagarkar, V., M. Squillante, G. Entine, I. Stern and D. Sharif, CdTe detectors in nuclear radiation dosimetry A322 (1992) 623
Nagashima, Y., see Masuda, T. A322 (1992) 135
Nagashima, Y., S. Nakajima, T. Takahashi, T. Kaikura, G. Tajima, T. Hayakawa, K. Takahashi, J. Mukai, K. Shima, T. Aoki and K. Furuno, Accelerator mass spectroscopy with ^{14}C and ^{26}Al at the University of Tsukuba A328 (1993) 338
Nagata, K., see Hasebe, N. A325 (1993) 335
Nagornaja, L.L., see Baryshevsky, V.G. A322 (1992) 231
Nagy, A., see Bartha, L. A328 (1993) 86
Nagy, E., see Innocente, V. A324 (1993) 297
Nahnhauer, R., see Bähr, J. A324 (1993) 145
Nahnhauer, R., see Bähr, J. A330 (1993) 103
Nail, M. and D. Mazataud, Comparison of SB2 X-ray film and reticon array A322 (1992) 518
Nakada, H., see Apollinari, G. A324 (1993) 475
Nakagawa, K., K. Kimura and A. Ejiri, Photoionization quantum yield of TMAE(tetrakis-dimethylaminoethylene) in supercritical xenon fluid A327 (1993) 60
Nakagawa, T., see Nakanishi, T. A322 (1992) 146

Nakagawa, T., see Futami, Y. ... A326 (1993) 513
Nakajima, K., see Nakanishi, H. ... A328 (1993) 596
Nakajima, S., see Nagashima, Y. ... A328 (1993) 338
Nakajima, T., see Masuda, K. ... A327 (1993) 134
Nakamoto, A., see Hasebe, N. ... A325 (1993) 335
Nakamoto, N., see Masuda, T. ... A322 (1992) 135
Nakamura, F., see Lee, L. ... A327 (1993) 287
Nakamura, M., see Teraoka, K. ... A324 (1993) 276
Nakamura, M., see Saito, K. ... A326 (1993) 204
Nakamura, M., see Yamamoto, K. ... A326 (1993) 222
Nakamura, S., see Terunuma, N. ... A323 (1992) 471
Nakamura, S., see Sakai, Y. ... A327 (1993) 92
Nakamura, S., see Yamada, Y. ... A330 (1993) 64
Nakamura, T., see Yamadera, A. ... A329 (1993) 188
Nakamura, Y., see Shinsaka, K. ... A327 (1993) 15
Nakanishi, A., see Fukumura, K. ... A325 (1993) 475
Nakanishi, H., A. Enomoto, A. Ogata, K. Nakajima, D. Whittum, Y. Yoshida, T. Ueda, T. Kobayashi, H. Shibata, S. Tagawa, N. Yugami and Y. Nishida, Wakefield accelerator using twin linacs *(Letter to the Editor)* ... A328 (1993) 596
Nakanishi, T., T. Nakagawa and H. Tanaka, Effect of beam position measurement errors on closed orbit correction in a synchrotron ... A322 (1992) 146
Nakanishi, T., see Tanaka, H. ... A328 (1993) 402
Nakano, E., see Uno, S. ... A330 (1993) 55
Nakano, I., see Terunuma, N. ... A323 (1992) 471
Nakano, T., see Saito, K. ... A326 (1993) 204
Nakatsuka, T., see Sasaki, H. ... A321 (1992) 180
Namba, H., see Shibata, H. ... A327 (1993) 53
Namboodiri, M.N., see Costales, J.B. ... A330 (1993) 183
Nang, F., see DØ Collaboration ... A324 (1993) 53
Nanni, F., see CPLEAR Collaboration ... A321 (1992) 458
Nanni, F., see Bal, F. ... A323 (1992) 511
Napolitano, J., see Gilman, R. ... A327 (1993) 277
Nappi, E., see Baechler, J. ... A324 (1993) 449
Naqvi, A.A., F.Z. Khiari, A. Coban and A.M. Al-Jalal, Energy resolution of NE102A and NE230 scintillators for monoenergetic gamma rays ... A324 (1993) 223
Naqvi, A.A. and G. Clausnitzer, Measurement of beam polarization using the $D(\vec{d}, p)^3H$ reaction ... A324 (1993) 429
Naqvi, A.A., F.Z. Khiari, A. Aksoy, A. Coban and M.A. Al-Jalal, Light yield measurements of a NE213 detector for 2.8–14.8 MeV neutrons (*Letter to the Editor*) ... A325 (1993) 574
Narasimham, V.S., see DØ Collaboration ... A324 (1993) 53
Narayanan, M.M., see Kanjilal, D. ... A328 (1993) 97
Narita, Y., see Takasaki, F. ... A322 (1992) 211
Narita, Y., see Yamada, Y. ... A330 (1993) 64
Nashashibi, T., The Pentafet and its applications in high resolution and high rate radiation spectrometers ... A322 (1992) 551
Nason, D., see Burger, A. ... A322 (1992) 427
Nassisi, V., see Luches, A. ... A322 (1992) 166
Nastasi, U., see Manfredotti, C. ... A322 (1992) 331
Nath, D., M.J. Deb, B. Das, G.K.D. Mazumdar and K.M. Pathak, A new device for determination of arrival direction of large EAS ... A330 (1993) 293
Nathaniel, A., see CHARM-II Collaboration ... A325 (1993) 92
Nauenberg, U., see Albee, M. ... A325 (1993) 429
Nava, F., see Beaumont, S.P. ... A321 (1992) 172
Nava, F., see Beaumont, S.P. ... A322 (1992) 472
Nava, F., see Beaumont, S.P. ... A326 (1993) 313
Neal, H., see Aihara, H. ... A325 (1993) 393
Neal, H., see Axen, D. ... A328 (1993) 472
Neal, H.A., see DØ Collaboration ... A324 (1993) 53
Nefyodov, P.V., see Baryshevsky, V.G. ... A322 (1992) 231
Nefyodov, V.A., see Baryshevsky, V.G. ... A322 (1992) 231
Neichi, K., see Masuda, K. ... A327 (1993) 134
Nelson, D., see Axen, D. ... A328 (1993) 472
Nelson, H.N., see Alexander, J.P. ... A326 (1993) 243

Nelson, W.R., see Conti, M. ... A322 (1992) 591
Nelubin, V.V., see Isaeva, L.G. ... A325 (1993) 16
Nemethy, P., see DØ Collaboration ... A324 (1993) 53
Nemethy, P., see Aihara, H. ... A325 (1993) 393
Nemitkin, A., see Pommot Maia, M. ... A326 (1993) 496
Nešić, D., see DØ Collaboration ... A324 (1993) 53
Nešić, D., see Aihara, H. ... A325 (1993) 393
Nessi, M., see Aubert, B. ... A321 (1992) 467
Nessi, M., see Aubert, B. ... A325 (1993) 116
Nessi, M., see RD3 Collaboration ... A330 (1993) 405
Nessi-Tedaldi, F., see Aubert, B. ... A321 (1992) 467
Nessi-Tedaldi, F., see Aubert, B. ... A325 (1993) 116
Nessi-Tedaldi, F., see RD3 Collaboration ... A330 (1993) 405
Nesvizhevsky, V.V., see Alfimenkov, V.P. ... A324 (1993) 496
Neuberger, D., see Hauser, J. ... A321 (1992) 497
Neubert, W., see Gobbi, A. ... A324 (1993) 156
Neuffer, D., E. Colton, D. Fitzgerald, T. Hardek, R. Hutson, R. Macek, M. Plum, H. Thiessen and T.-S. Wang, Observations of a fast transverse instability in the PSR ... A321 (1992) 1
Neugart, R., see Duong, H.T. ... A325 (1993) 465
Neuhofer, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Neumeyer, H., see CHARM-II Collaboration ... A325 (1993) 92
Neunlist, R., see Gobbi, A. ... A324 (1993) 156
Neunreither, F., see Barber, D.P. ... A329 (1993) 79
Newberger, B.S., H.-J. Shih and J.A. Ellison, Super slow extraction at the SSC using channeling in a bent crystal ... A325 (1993) 9
Ng, C., see Atiya, M.S. ... A321 (1992) 129
Ng, K., see DØ Collaboration ... A324 (1993) 53
Nguyen, H.H., see Hobbs, J.D. ... A325 (1993) 494
Nicks, C., see Pagès, J.L. ... A321 (1992) 342
Nicolaidou, R., see Anassontzis, E.G. ... A323 (1992) 351
Nicolas, P., see Mathy, F. ... A322 (1992) 615
Nicoletto, M., see Bakker, F. ... A330 (1993) 44
Niczyporuk, B., see Barbosa, F.J. ... A323 (1992) 191
Niebergall, F., see CHARM-II Collaboration ... A325 (1993) 92
Nielsen, M.B., see Moy, J.P. ... A326 (1993) 581
Nießen, P., see Sydow, L. ... A327 (1993) 441
Nigro, A., see MINI Collaboration ... A324 (1993) 330
Nikitenko, Yu.V. and Yu.M. Ostanevich, Proposal of a wide-band mirror polarizer of slow neutrons at a pulsed neutron source ... A325 (1993) 485
Nikitenko, Yu.V., see Dokukin, E.B. ... A330 (1993) 462
Nikitin, A.W., see Gilman, R. ... A327 (1993) 277
Nikityuk, N.M., Use of parallel counters for triggering ... A321 (1992) 571
Nikolenko, D.M., see Isaeva, L.G. ... A325 (1993) 16
Nikolenko, D.M., see Gilman, R. ... A327 (1993) 277
Nikolskaia, N.M., see Danilova, T.V. ... A323 (1992) 104
Nikolsky, S.J., see Danilova, T.V. ... A323 (1992) 104
Nilsson, D., see Van Hoorebeeke, L. ... A321 (1992) 230
Nilsson, T., see Duong, H.T. ... A325 (1993) 465
Nisati, A., see Bacci, C. ... A324 (1993) 83
Nisati, A., see Bakker, F. ... A330 (1993) 44
Nishi, M., see Hiramoto, K. ... A322 (1992) 154
Nishida, Y., see Nakanishi, H. ... A328 (1993) 596
Nishihara, K., see Ueda, Y. ... A330 (1993) 140
Nishikawa, M., The conduction band energy of nonpolar liquids ... A327 (1993) 3
Nitoh, O., see Uno, S. ... A330 (1993) 55
Niwa, K., see Teraoka, K. ... A324 (1993) 276
Niwa, K., see Saito, K. ... A326 (1993) 204
Niwa, K., see Yamamoto, K. ... A326 (1993) 222
Noble, A., see Crystal Barrel Collaboration ... A321 (1992) 69
Noda, A., see Shirai, T. ... A321 (1992) 429

Noda, K., see Tomizawa, M. A326 (1993) 399
Noda, Y., see Tomizawa, M. A326 (1993) 399
Noé, J.W., see Jain, A. A328 (1993) 251
Noé, J.W., J. Rico and H. Uto, Progress in lead–copper resonator technology A328 (1993) 285
Noé, J.W., Freon plasma surface treatment for multipactoring A328 (1993) 291
Nöldeke, G., see Detemple, P. A321 (1992) 479
Nöldeke, G., see Arends, J. A323 (1992) 203
Nomoto, S., see Tsunemi, H. A321 (1992) 629
Nomura, T., see Duong, H.T. A325 (1993) 465
Noppe, J.M., see Aubert, B. A321 (1992) 467
Noppe, J.M., see Anassontzis, E.G. A323 (1992) 351
Noppe, J.M., see Aubert, B. A325 (1993) 116
Noppe, J.M., see RD3 Collaboration A330 (1993) 405
Norbeck, E., see Lanzanó, G. A323 (1992) 694
Nordby, M., see Axen, D. A328 (1993) 472
Norman, D., see DØ Collaboration A324 (1993) 53
Norman, D., see Aihara, H. A325 (1993) 393
Northcliffe, L., see Supek, I. A324 (1993) 19
Notea, A., see Frumkin, I. A329 (1993) 337
Noumi, H., see Lee, L. A327 (1993) 287
Noumi, H., see Kobayashi, M. A328 (1993) 501
Noumi, H., see Kobayashi, M. A330 (1993) 115
Nowak, W.D., see Bähr, J. A324 (1993) 145
Nowak, W.-D., see Barber, D.P. A329 (1993) 79
Nozaki, T., see Uno, S. A330 (1993) 55
Numajiri, M., see Kobayashi, M. A328 (1993) 501
Numajiri, M., see Kobayashi, M. A330 (1993) 115
Numao, T., see Atiya, M.S. A321 (1992) 129
Nuñez-Lagos, R., see Morales, J. A321 (1992) 410
Nurushev, S.B., see Asseev, A.A. A330 (1993) 39
Nuti, M., see Beaumont, S.P. A321 (1992) 172
Nuti, M., see Beaumont, S.P. A322 (1992) 472
Nuti, M., see Beaumont, S.P. A326 (1993) 313
Nutter, S., see Levin, D.S. A322 (1992) 101
Nutter, S., see MACRO Collaboration A324 (1993) 337
Nuyens, C., see Leleux, P. A329 (1993) 518
Nuzzo, S., see MINI Collaboration A324 (1993) 330
Nxumalo, J.N., see Hykawy, J.G. A329 (1993) 423
Nyga, K.R., see Sydow, L. A327 (1993) 441
Nygård, E., see Bingefors, N. A326 (1993) 112

Obinata, M., see Kashiwagi, T. A327 (1993) 148
Obodovski, I.M., see Kirsanov, M.A. A327 (1993) 48
Obodovski, I.M., Liquid xenon ionization spectrometers for MeV region A327 (1993) 119
Obodovski, I.M., see Pokachalov, S.G. A327 (1993) 159
O'Brien, E., see Yu, B. A323 (1992) 413
Occelli, E., see Anghinolfi, F. A326 (1993) 365
Oelert, W., see Roderburg, E. A323 (1992) 140
Oelert, W., see Dahmen, M. A323 (1992) 542
Oesch, L., see DØ Collaboration A324 (1993) 53
Oeschler, H., see Senger, P. A327 (1993) 393
Ogata, A., see Nakanishi, H. A328 (1993) 596
Ogawa, K., see Terunuma, N. A323 (1992) 471
Oh, S.H., C. Wang and M. Yin, A technique to measure the positions of sense wires in low mass drift chambers A325 (1993) 142
Ohama, T., see Yamada, Y. A330 (1993) 64
Ohashi, Y., see Suzuki, A. A329 (1993) 299
Ohkawa, H., see Katagiri, M. A327 (1993) 463
Ohlén, G., see Dymnikov, A. A328 (1993) 164
Ohmori, M., see Iwase, Y. A322 (1992) 628
Ohnishi, Y., see Uno, S. A330 (1993) 55
Ohsugi, T., see Terunuma, N. A323 (1992) 471

Ohtsuki, K., see Morita, N. A330 (1993) 439
Oillataguerre, P., see Brandt, A. A327 (1993) 412
Okada, C., see MACRO Collaboration A324 (1993) 337
Okada, K., see Sum, V. A326 (1993) 489
Okamoto, A., see Yamada, Y. A330 (1993) 64
Oki, Y., see Kobayashi, M. A328 (1993) 501
Oki, Y., see Kobayashi, M. A330 (1993) 115
Oks, E.M., see Koval, N.N. A321 (1992) 417
Okx, W.J.C., C.W.E. van Eijk, V.R. Bom and R.W. Hollander, A gas scintillation proportional detector to search for 17 keV neutrinos A323 (1992) 466
Olin, A., see Lee, L. A327 (1993) 287
Oliver, J., see Regan, T.O. A326 (1993) 570
Olmer, C., see Wells, S.P. A325 (1993) 205
Olmi, A., see Poggi, G. A324 (1993) 177
Olmos, P., G. Garcia-Belmonte and J.M. Perez, Large volume HgI_2 counters. A novel technique for pulse discrimination A322 (1992) 557
Olschner, F., see Lund, J.C. A322 (1992) 464
Olschner, F., see Zhang, J. A322 (1992) 499
Olschner, F., K.S. Shah, J.C. Lund, J. Zhang, K. Daley, S. Medrick and M.R. Squillante, Thallium bromide semiconductor X-ray and γ-ray detectors A322 (1992) 504
Olschner, F., see Shah, K.S. A322 (1992) 509
Olsen, D.K., Opportunities with accelerated radioactive ion beams A328 (1993) 303
Olsen, D.K., see Alton, G.D. A328 (1993) 325
Olsen, L., see Chen, W. A326 (1993) 273
Olsen, S.L., see Ueno, K. A323 (1992) 601
Olsen, W.C., see Cairns, E.B. A321 (1992) 109
Oltman, E., see DØ Collaboration A324 (1993) 53
O'Mara, D., see Stanton, M. A325 (1993) 558
O'Meara, J.E., see Barbosa, F.J. A323 (1992) 191
O'Meara, J.E., see Chew, M. A323 (1992) 345
Omori, M., see Doucas, G. A328 (1993) 41
Omori, M., G. Braoudakis and L.S. Peak, ^{238}U spontaneous fission-induced background in NaI scintillators A329 (1993) 183
Onabe, H., see Shoji, T. A322 (1992) 324
Onabe, H., see Kashiwagi, T. A327 (1993) 148
O'Neill, B., see Baines, J.T.M. A325 (1993) 271
Onozuka, A., see Iwase, Y. A322 (1992) 628
Onuchin, A.P., see Baru, S.E. A323 (1992) 151
Onuchin, A.P., see Aulchenko, V.M. A327 (1993) 193
Onvlee, H., see Adeva, B. A323 (1992) 109
Ootani, W., see Minowa, M. A327 (1993) 612
Ootuka, Y., see Minowa, M. A327 (1993) 612
Opper, A.K., see Wells, S.P. A325 (1993) 205
Oram, C., see Astbury, A. A324 (1993) 461
Oram, C., see Poffenberger, P.R. A327 (1993) 99
Oram, C., see Axen, D. A328 (1993) 472
Oram, C.J., see Allport, P.P. A324 (1993) 34
Orava, R., see Brenner, R. A326 (1993) 189
Orava, R., see Bingefors, N. A328 (1993) 447
Orear, J., see Da Via, C. A323 (1992) 419
Oreglia, M.J., see Hobbs, J.D. A325 (1993) 494
Orestano, D., see Bacci, C. A324 (1993) 83
Ortale, C., see Schlesinger, T.E. A322 (1992) 414
Ortale, C., see James, R.B. A322 (1992) 435
Ortiz de Solorzano, A., see Morales, J. A321 (1992) 410
Ortlepp, G., see Gobbi, A. A324 (1993) 156
Osa, A., see Ikuta, T. A323 (1992) 697
O'Shea, V., see Beaumont, S.P. A321 (1992) 172
O'Shea, V., see Beaumont, S.P. A322 (1992) 472
O'Shea, V., see Beaumont, S.P. A326 (1993) 313
Oshima, N., see DØ Collaboration A324 (1993) 53
Oskamp, C.J., see van Nieuwenhuizen, G.J. A325 (1993) 516

Ososkov, G., see Glazov, A. A329 (1993) 262
Ossa, R., see Batignani, G. A326 (1993) 183
Ossmann, J., see Bay, A. A321 (1992) 119
Ostanevich, Yu.M., see Nikitenko, Yu.V. A325 (1993) 485
Osterberg, K., see Brenner, R. A326 (1993) 189
Österberg, K., see Bingefors, N. A328 (1993) 447
Osteria, G., see Ambrosio, M. A321 (1992) 609
Osteria, G., see MINI Collaboration A324 (1993) 330
Osteria, G., see MACRO Collaboration A324 (1993) 337
Ottonello, P., G.A. Rottigni, G. Zanella and R. Zannoni, An X-ray area detector with scintillating glass fiber optics A323 (1992) 485
Otwinowski, S., see Benetti, P. A327 (1993) 173
Otwinowski, S., see Benetti, P. A327 (1993) 203
Otwinowski, S., see Benetti, P. A329 (1993) 361
Oussena, B., see Annand, J.R.M. A330 (1993) 220
Øverås, H., see CHARM-II Collaboration A325 (1993) 92
Overwater, R.M.W., P. Bode and J.J.M. de Goeij, Gamma-ray spectroscopy of voluminous sources. Corrections for source geometry and self-attenuation A324 (1993) 209
Owen, D.L., see DØ Collaboration A324 (1993) 53
Owen, D.P., see DØ Collaboration A324 (1993) 53
Owen, D.P., see Aihara, H. A325 (1993) 393
Oyama, T., see Yamada, Y. A330 (1993) 64
Ozdes, N., see Brandt, A. A327 (1993) 412
Ozil, P., see Becerril, V.A. A328 (1993) 512

Paccagnella, A., see Bacchetta, N. A326 (1993) 381
Pacherová, O., see Hrdý, J. A327 (1993) 605
Padley, P., see Atiya, M.S. A321 (1992) 129
Paetz gen. Schieck, H., see Sydow, L. A327 (1993) 441
Paetz gen. Schieck, H., see EDDA Collaboration A329 (1993) 151
Paffrath, L., see Axen, D. A328 (1993) 472
Pagano, A., see Lanzanó, G. A323 (1992) 694
Page, R.D., see Davis, N.J. A330 (1993) 165
Page, S.A., see Sum, V. A326 (1993) 489
Pagel, H., see Anghinolfi, F. A326 (1993) 365
Pagels, B., see CPLEAR Collaboration A321 (1992) 458
Pagès, J.L., C. Comtat, C. Joseph, C. Morel, T.M. Tran, R.W. Dobinson, W. Huta, W. Lu, H. Wendler, C. Nicks and P. Schweizer, Parallel readout of the CERN RMH system using Transputers A321 (1992) 342
Paic, G., see Baechler, J. A324 (1993) 449
Pain, M.T., see Fraser, G.W. A321 (1992) 385
Pain, M.T., see Fraser, G.W. A327 (1993) 328
Palamara, O., see MACRO Collaboration A324 (1993) 337
Palladino, V., see CHARM-II Collaboration A325 (1993) 92
Pallante, E., see Anzivino, G. A329 (1993) 521
Pallon, J., see Dymnikov, A. A328 (1993) 164
Palma, F., see Vacchi, A. A326 (1993) 267
Palmieri, V., see Fortuna, G. A328 (1993) 236
Palmieri, V., V.L. Ruzinov, S.Yu. Stark, O.B. Malishev, R. Preciso, A.M. Porcellato, L. Badan, J.S. Sokolowski, G.P. Buso, F. Chiurlotto and F. Poletto, Niobium sputtered quarter wave resonators A328 (1993) 280
Palombo, F., see Aulchenko, V.M. A327 (1993) 193
Palounek, A.P.T., see Barberis, E. A326 (1993) 373
Panagiotou, A., see Baechler, J. A324 (1993) 449
Panagiotou, A.D., see Daskalakis, G. A328 (1993) 495
Pancella, P., see Pollock, R.E. A330 (1993) 380
Pancella, P.V., see Ross, M.A. A326 (1993) 424
Pancella, P.V., see v. Przewoski, B. A328 (1993) 435
Pandya, A., see Bhatnagar, P.K. A329 (1993) 467
Panescu, D., T. Gorski, Y.H. Hu, J. Lackey, P. Robi and W.H. Smith, A fast pipelined VLSI adder for fast trigger decisions at the superconducting super collider A330 (1993) 475
Panin, V.S., see Aulchenko, V.M. A327 (1993) 193
Panman, J., see Bähr, J. A324 (1993) 145

Panman, J., see CHARM-II Collaboration ... A325 (1993) 92
Pansky, A., G. Malamud, A. Breskin and R. Chechik, Applications of gaseous electron counting detectors ... A323 (1992) 294
Pansky, A., A. Breskin, R. Chechik and G. Malamud, Detection of X-ray fluorescence of light elements by electron counting in a low-pressure gaseous electron multiplier ... A330 (1993) 150
Panter, M., see Brecht, D. ... A323 (1992) 60
Pantuev, V.S., see Razin, V.I. ... A321 (1992) 504
Panzieri, D., see Balestra, F. ... A323 (1992) 523
Paolucci, G., see Affatato, S. ... A325 (1993) 417
Paolucci, P., see CHARM-II Collaboration ... A325 (1993) 92
Paolucci, P.S., see Bastianello, G. ... A324 (1993) 543
Papadopoulou, Th.D., see Anassontzis, E.G. ... A323 (1992) 351
Papendick, B., see Fretwurst, E. ... A326 (1993) 357
Papendick, B., see Anghinolfi, F. ... A326 (1993) 365
Papureanu, S., see Grieser, M. ... A328 (1993) 160
Papureanu, S., see von Hahn, R. ... A328 (1993) 270
Para, A., see Demortier, L. ... A324 (1993) 77
Paradellis, T., see Doukellis, G. ... A327 (1993) 480
Parascandalo, P., see MACRO Collaboration ... A324 (1993) 337
Parascandolo, L., see Ambrosio, M. ... A321 (1992) 609
Parascandolo, L., see Buontempo, S. ... A327 (1993) 509
Parascandolo, P., see Ambrosio, M. ... A321 (1992) 609
Pardo, B., see Maaza, M. ... A326 (1993) 531
Pardo, R.C., see Bollinger, L.M. ... A328 (1993) 221
Parish, T.A., see Na, S.H. ... A321 (1992) 322
Park, H.S., see Becker-Szendy, R. ... A324 (1993) 363
Park, S., see Frabetti, P.L. ... A329 (1993) 62
Parker, A., see Munday, D. ... A326 (1993) 100
Parker, D.J., C.J. Broadbent, P. Fowles, M.R. Hawkesworth and P. McNeil, Positron emission particle tracking – a technique for studying flow within engineering equipment ... A326 (1993) 592
Parker, M.A., see Anghinolfi, F. ... A326 (1993) 365
Parker, S., see Snoeys, W. ... A326 (1993) 144
Parker, W.E. and A. Gavron, Examination of potential improvements to high energy transport codes ... A321 (1992) 376
Parker, W.E., see Kaplan, M. ... A327 (1993) 551
Parlati, S., see MACRO Collaboration ... A324 (1993) 337
Parlog, M., see Iacob, V.E. ... A325 (1993) 373
Parrini, G., see Batignani, G. ... A326 (1993) 183
Parrour, G., see Aubert, B. ... A321 (1992) 467
Parrour, G., see Aubert, B. ... A325 (1993) 116
Parrour, G., see RD3 Collaboration ... A330 (1993) 405
Parsons, J., see Caldwell, A. ... A321 (1992) 356
Parsons, J.A., see Caldwell, A. ... A330 (1993) 389
Partridge, R., see DØ Collaboration ... A324 (1993) 53
Pascale, G., see Cesaroni, F. ... A323 (1992) 549
Pascovici, G., see Marinescu, L. ... A328 (1993) 90
Pasotti, C., see D'Auria, G. ... A329 (1993) 393
Pasquali, G., see Poggi, G. ... A324 (1993) 177
Passamonti, L., see Anzivino, G. ... A329 (1993) 521
Passardi, G., see Séguinot, J. ... A323 (1992) 583
Pasta, A., see Bouclier, R. ... A323 (1992) 240
Patarakin, O.O., see Sustavov, A.F. ... A323 (1992) 157
Pate, S.F., see Ross, M.A. ... A326 (1993) 424
Pate, S.F., see v. Przewoski, B. ... A328 (1993) 435
Patel, G.D., see Bailey, J.M. ... A323 (1992) 184
Patel, G.D., see Grässler, H. ... A323 (1992) 401
Patel, P.M., see Barber, D.P. ... A329 (1993) 79
Patera, V., see MACRO Collaboration ... A324 (1993) 337
Paterno, M., see DØ Collaboration ... A324 (1993) 53
Paternoster, G., see Adeva, B. ... A323 (1992) 109
Pathak, K.M., see Nath, D. ... A330 (1993) 293
Patiño, N.E., see Mayer, R.E. ... A324 (1993) 501
Pato, M.P., M.S. Hussein and A.K. Kerman, Inverse free electron laser acceleration ... A328 (1993) 342

Patricelli, S., see Adeva, B. A323 (1992) 109
Patrizii, L., see MACRO Collaboration A324 (1993) 337
Paul, J., see Lei, F. A321 (1992) 598
Paul, M., New developments and challenges in accelerator mass spectrometry A328 (1993) 330
Paul, P., see Jain, A. A328 (1993) 251
Pauletta, C., see Hauser, J. A321 (1992) 497
Pausch, G., W. Bohne, H. Fuchs, D. Hilscher, H. Homeyer, H. Morgenstern, A. Tutay and W. Wagner, Particle identification in solid-state detectors by exploiting pulse shape information A322 (1992) 43
Pavan, P., G. Zanella, R. Zannoni and A. Marigo, Spatial resolution in X-ray imaging with scintillating glass optical fiber plates A327 (1993) 600
Pavlenko, S., see Bondarenko, V. A327 (1993) 386
Pavlenko, V.B., see Baryshevsky, V.G. A322 (1992) 231
Pavlenko, Yu.N., see Rosenfeld, A.B. A326 (1993) 234
Pavlopoulos, P., see CPLEAR Collaboration A321 (1992) 458
Pavlopoulos, P., see Athanasiu, G. A324 (1993) 320
Payne, B.T., see EHIT Collaboration A323 (1992) 407
Payne, R., see Braem, A. A326 (1993) 325
Pazzi, R., see MACRO Collaboration A324 (1993) 337
Peach, D., see Bakker, F. A330 (1993) 44
Peacock, A., see Perryman, M.A.C. A325 (1993) 319
Peak, L.S., see Omori, M. A329 (1993) 183
Pearson, C., see Pile, P.H. A321 (1992) 48
Pearson, J., see Ramsay, W.D. A327 (1993) 265
Pearson, J.F., see Fraser, G.W. A321 (1992) 385
Pearson, J.F., see Fraser, G.W. A324 (1993) 404
Pearson, J.F., J.E. Lees, G.W. Fraser, K. Gringauz, N. Schutte and Y. Roze, Comparative tests of Russian microchannel plates (*Letter to the Editor*) A325 (1993) 578
Pech, J., see Bastianello, G. A324 (1993) 543
Peck, C.W., see MACRO Collaboration A324 (1993) 337
Peck, S., see Rubin, D.L. A330 (1993) 12
Pecoraro, A., see Luches, A. A322 (1992) 166
Pedrini, D., see Frabetti, P.L. A329 (1993) 62
Peghaire, A., see Del Zoppo, A. A327 (1993) 363
Pegoraro, M., see Bingefors, N. A328 (1993) 447
Pegoraro, R., see Fortuna, G. A328 (1993) 236
Pei, X., see Pollock, R.E. A330 (1993) 380
Pein, U., see Fretwurst, E. A326 (1993) 357
Peisert, A., see Brenner, R. A326 (1993) 189
Peisert, A., see Brenner, R. A326 (1993) 198
Peisert, A., see Bingefors, N. A328 (1993) 447
Peitzmann, T., see Berger, F. A321 (1992) 152
Pelaia, T., see Rubin, D.L. A330 (1993) 12
Peleganchuk, S.V., see Aulchenko, V.M. A327 (1993) 193
Pelfer, P.G., see Beaumont, S.P. A321 (1992) 172
Pelfer, P.G., see Beaumont, S.P. A322 (1992) 472
Pelfer, P.G., see Beaumont, S.P. A326 (1993) 313
Pellarin, M., see Duong, H.T. A325 (1993) 465
Pelliccioni, M., see Birattari, C. A324 (1993) 232
Pellizzoni, G., see MACRO Collaboration A324 (1993) 337
Pelly, D., see Chen, M. A327 (1993) 187
Pelte, D., see Gobbi, A. A324 (1993) 156
Pendzick, A., see Pile, P.H. A321 (1992) 48
Peng, Y., see Adeva, B. A323 (1992) 109
Peng, Y., see Deiters, K. A323 (1992) 162
Pengo, R., see Fortuna, G. A328 (1993) 236
Pengo, R., P. Favaron, G.P. Buso, L. Ziomi, A. Beltramin, T. Contran and F. Poletto, Cryogenics and related topics of the ALPI linac A328 (1993) 242
Penselin, S., see Duong, H.T. A325 (1993) 465
Penso, G., see Bacci, C. A324 (1993) 83
Penttilä, S.I., see Triple Collaboration A326 (1993) 549
Pepato, A., see Benetti, P. A327 (1993) 173

Pepato, A., see Benetti, P. A327 (1993) 203
Pepato, A., see Benetti, P. A329 (1993) 361
Pepe, M., see Aubert, B. A321 (1992) 467
Pepe, M., see Aubert, B. A325 (1993) 116
Pepe, M., see RD3 Collaboration A330 (1993) 405
Perasso, L., see Frabetti, P.L. A329 (1993) 62
Perchiazzi, M., see MACRO Collaboration A324 (1993) 337
Peresypkin, A.I., see Britvich, G.I. A326 (1993) 483
Perez, J.M., see Olmos, P. A322 (1992) 557
Periale, L., see Benetti, P. A327 (1993) 173
Periale, L., see Benetti, P. A327 (1993) 203
Periale, L., see Benetti, P. A329 (1993) 361
Perillo, E., see Grassi, D. A322 (1992) 449
Perini, L., see Aubert, B. A321 (1992) 467
Perini, L., see Aubert, B. A325 (1993) 116
Perini, L., see RD3 Collaboration A330 (1993) 405
Perlas, J.A., see Alemany, R. A330 (1993) 422
Pernicka, E., see Wink, R. A329 (1993) 541
Pernicka, M., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Perret, A., see Angelini, F. A323 (1992) 229
Perret-Gallix, D., see Berger, C. A330 (1993) 285
Perrier, J., see Bourquin, M. A325 (1993) 509
Perrone, A., see Luches, A. A322 (1992) 166
Perrot-Kunne, F., see Ahmidouch, A. A326 (1993) 538
Perrot-Kunne, F., see Ball, J. A327 (1993) 308
Perroud, J.-P., see Galumian, P. A327 (1993) 269
Perryman, M.A.C., C.L. Foden and A. Peacock, Optical photon counting using superconducting tunnel junctions A325 (1993) 319
Persson, H., see Eriksson, H.G. A325 (1993) 537
Persson, J., see Duong, H.T. A325 (1993) 465
Peryshkin, A., see DØ Collaboration A324 (1993) 53
Peryshkin, A., see Aihara, H. A325 (1993) 393
Peshekhonov, V.D., Wire chambers for muon detectors on supercolliders A323 (1992) 12
Peshekhonov, V.D., see Bychkov, V.N. A325 (1993) 158
Pešić, M., see Marinković, P. A321 (1992) 333
Peskov, V., see Giomataris, Y. A323 (1992) 431
Peskov, V., see Charpak, G. A323 (1992) 445
Peskov, V., see Anderson, D.F. A323 (1992) 626
Peskov, V., see Anderson, D.F. A326 (1993) 611
Pessina, G., see Aubert, B. A321 (1992) 467
Pessina, G., see RD3 Collaboration A330 (1993) 405
Pestov, Yu.N., see Minakov, G.D. A326 (1993) 566
Peters, K., see Crystal Barrel Collaboration A321 (1992) 69
Peters, M., see DØ Collaboration A324 (1993) 53
Peters, R.D., see Hykawy, J.G. A329 (1993) 423
Peterson, B.A., see Cairns, E.B. A321 (1992) 109
Petit, P., see Bal, F. A323 (1992) 511
Petkov, P., W. andrejtscheff and S. Avramov, Complex time distributions from isomers in cascade: a case in ^{176}Lu A321 (1992) 259
Petkov, P., see Böhm, G. A329 (1993) 248
Petrakis, J., see MACRO Collaboration A324 (1993) 337
Petrakis, J.P., see van Stekelenborg, J.T.P.M. A328 (1993) 559
Petrera, S., see MACRO Collaboration A324 (1993) 337
Pétroff, P., see Aubert, B. A321 (1992) 467
Petroff, P., see Aubert, B. A325 (1993) 116
Pétroff, P., see RD3 Collaboration A330 (1993) 405
Petrolo, E., see Bacci, C. A324 (1993) 83
Petrovici, M., see Gobbi, A. A324 (1993) 156
Petrucci, G., see Dudragne, A. A324 (1993) 93
Petry, H.R., see EDDA Collaboration A329 (1993) 151

Petukhov, Yu.P., see Krasnokutsky, R.N. ... A322 (1992) 34
Peyaud, B., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Pfeiffer, A., see Chen, W. ... A326 (1993) 273
Pfreundtner, B., see Irnich, H. ... A323 (1992) 580
Phillips, W.C., see Li, Y. ... A322 (1992) 116
Phillips, W.C., see Stanton, M. ... A325 (1993) 558
Pi, B., see DØ Collaboration ... A324 (1993) 53
Pi, B., see Aihara, H. ... A325 (1993) 393
Piaget, B., see Mathy, F. ... A322 (1992) 615
Piano Mortari, G, see Benetti, P. ... A327 (1993) 173
Piano Mortari, G., see Benetti, P. ... A327 (1993) 203
Piattelli, P., see Del Zoppo, A. ... A327 (1993) 363
Piattelli, P., see Bellia, G. ... A329 (1993) 173
Piazzoli, A., see Benetti, P. ... A327 (1993) 173
Piazzoli, A., see Benetti, P. ... A327 (1993) 203
Piazzoli, A., see Benetti, P. ... A329 (1993) 361
Picchi, P., see Benetti, P. ... A327 (1993) 173
Picchi, P., see Benetti, P. ... A327 (1993) 203
Picchi, P., see Benetti, P. ... A329 (1993) 361
Piccinini, M., see Affatato, S. ... A325 (1993) 417
Piccinini, S., see Batignani, G. ... A326 (1993) 183
Piccolo, D., see Adeva, B. ... A323 (1992) 109
Picozza, P., see Zucchiatti, A. ... A321 (1992) 219
Piechotka, M. and E. Kaldis, Progress in crystal growth and purification of α-HgI_2, a highly anisotropic detector crystal ... A322 (1992) 387
Piekarz, H., see DØ Collaboration ... A324 (1993) 53
Piekarz, H., see Aihara, H. ... A325 (1993) 393
Piel, S., see Alfter, I. ... A321 (1992) 506
Pierantoni, A., see Baccarani, G. ... A326 (1993) 253
Pierazzini, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Pierini, P., see Barletta, W.A. ... A329 (1993) 348
Pierroutsakou, D., see Bellia, G. ... A329 (1993) 173
Pierschel, M., K.-E. Ehwald, B. Heinemann, F. Januschewski, T. Schmitz and O. Schröder, A BCCD-based dosimeter for mixed radiation fields ... A326 (1993) 304
Pietropaolo, F., see Benetti, P. ... A327 (1993) 173
Pietropaolo, F., see Benetti, P. ... A327 (1993) 203
Pietropaolo, F., see Benetti, P. ... A329 (1993) 361
Pignatano, N.D., see MACRO Collaboration ... A324 (1993) 337
Piilonen, L.E., see Stanislaus, S. ... A323 (1992) 198
Pilcher, J.E., see Hobbs, J.D. ... A325 (1993) 494
Pilcher, J.V., see Zucchiatti, A. ... A321 (1992) 219
Pile, P.H., D. Beavis, R.L. Brown, R. Chrien, G. Danby, J. Jackson, D.M. Lazarus, W. Leonhardt, C. Pearson, A. Pendzick, P. Montemurro, T. Russo, J. Sandberg, R. Sawafta, C. Spataro, J. Walker and H.A. Enge, A new 1–2 GeV/c separated beam for BNL ... A321 (1992) 48
Pilgram, W., see Bailey, J.M. ... A323 (1992) 184
Pilgram, W., see Grässler, H. ... A323 (1992) 401
Pillai, C.T., see Langenbrunner, J. ... A325 (1993) 187
Piltch, S.C., see Langenbrunner, J. ... A325 (1993) 187
Pimiä, M., see Bakker, F. ... A330 (1993) 44
Pinard, J., see Duong, H.T. ... A325 (1993) 465
Pinotti, E., H. Bräuninger, N. Findeis, H. Gorke, D. Hauff, P. Holl, J. Kemmer, P. Lechner, G. Lutz, W. Kink, N. Meidinger, G. Metzner, P. Predehl, C. Reppin, L. Strüder, J. Trümper, C. v. Zanthier, E. Kendziorra, R. Staubert, V. Radeka, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, A. Pullia and M. Sampietro, The pn-CCD on-chip electronics ... A326 (1993) 85
Pinotti, E., see Bräuninger, H. ... A326 (1993) 126
Pinotti, E., see Lechner, P. ... A326 (1993) 284
Pinto, C., see MACRO Collaboration ... A324 (1993) 337
Piragino, G., see Balestra, F. ... A323 (1992) 523
Piredda, G., see CHARM-II Collaboration ... A325 (1993) 92

Pisarev, I.L., see Ball, J. A327 (1993) 308
Pischalnikov, Y., see DØ Collaboration A324 (1993) 53
Pischedda, M., see Beaumont, S.P. A326 (1993) 313
Pisin Chen, , see Yu-Chiu Chao A323 (1992) 569
Piskarev, I.M., see Alimov, A.S. A326 (1993) 391
Piskarev, I.M., see Alimov, A.S. A328 (1993) 385
Piskunov, G.S., see Anashkin, E.V. A323 (1992) 178
Pistilli, P., see MINI Collaboration A324 (1993) 330
Pistilli, P., see MACRO Collaboration A324 (1993) 337
Pitts, W.K., see Ross, M.A. A326 (1993) 424
Pitts, W.K., see Pollock, R.E. A330 (1993) 380
Pitzl, D., see Horisberger, R. A326 (1993) 92
Pitzl, D., see Barberis, E. A326 (1993) 373
Pivovarov, S.G., see Aulchenko, V.M. A327 (1993) 193
Pizzuto, D., see DØ Collaboration A324 (1993) 53
Pla-Dalmau, A., see Bross, A.D. A325 (1993) 168
Pla-Dalmau, A., see Bross, A.D. A327 (1993) 337
Placci, A., see Givernaud, A. A321 (1992) 551
Plaga, R., see Wink, R. A329 (1993) 541
Plagnol, E., see Iori, I. A325 (1993) 458
Platner, E., see Ahmad, S. A330 (1993) 416
Platner, E.D., see Etkin, A. A323 (1992) 224
Platonov, V., see DØ Collaboration A324 (1993) 53
Playfer, S., see Grossmann-Handschin, M. A327 (1993) 378
Plendl, H.S., see Kim, Y.S. A329 (1993) 403
Plum, M., see Neuffer, D. A321 (1992) 1
Plummer, J., see Snoeys, W. A326 (1993) 144
Pluquet, A., see DØ Collaboration A324 (1993) 53
Podstavkov, V., see DØ Collaboration A324 (1993) 53
Poffenberger, P., see Axen, D. A328 (1993) 472
Poffenberger, P.R., see Astbury, A. A324 (1993) 461
Poffenberger, P.R., A. Astbury, M. Fincke-Keeler, R.K. Keeler, Y. Li, L.P. Robertson, M. Rosvick, P. Schenk, C. Oram and R. Sobie, Electron mobility and saturation of ion yield in 2,2,4,4-tetramethylpentane A327 (1993) 99
Poggi, G., G. Pasquali, M. Bini, P.R. Maurenzig, A. Olmi and N. Taccetti, Large volume detector telescopes for charged particles at the SIS/ESR accelerator A324 (1993) 177
Poggi, M., see Fortuna, G. A328 (1993) 236
Pohl, M., see Bähr, J. A324 (1993) 145
Pohl, M., see Bähr, J. A330 (1993) 103
Pokachalov, S.G., M.A. Kirsanov, A.A. Kruglov and I.M. Obodovski, Spark discharge method of liquid rare-gas purification A327 (1993) 159
Polenz, S., see Brecht, D. A323 (1992) 60
Poletto, F., see Pengo, R. A328 (1993) 242
Poletto, F., see Palmieri, V. A328 (1993) 280
Poli, M., see Affatato, S. A325 (1993) 417
Policarpo, A., see Fraga, M.M. A323 (1992) 284
Polk, I., see Atiya, M.S. A321 (1992) 129
Pollacco, E., see Lanzanó, G. A323 (1992) 694
Polli, E., see Zucchiatti, A. A321 (1992) 219
Polli, E., see Anghinolfi, M. A324 (1993) 191
Pollmann, D., see Anghinolfi, F. A326 (1993) 365
Pollock, R.E., see Ross, M.A. A326 (1993) 424
Pollock, R.E., see v. Przewoski, B. A328 (1993) 435
Pollock, R.E., M. Klasen, J. Lash and T. Sloan, An electron probe as a stored beam diagnostic A330 (1993) 27
Pollock, R.E., V. Derenchuk, X. Pei, T. Sloan, F. Sperisen, H.-O. Meyer, B. v. Przewoski, T. Rinckel, P. Pancella, M.A. Ross and W.K. Pitts, Beam loss rates with an internal gas target in an electron-cooled storage ring. Implications for luminosity optimization A330 (1993) 380
Pols, C.L.A., see Bakker, F. A330 (1993) 44
Pommot Maia, M., P.S. Cooper, L. Stutte, V. Solyanik, I. Filimonov and A. Nemitkin, A phototube RICH detector A326 (1993) 496
Ponomarev, O.A., see Babichev, E.A. A323 (1992) 49
Ponpon, J.P., see Fontaine, J.Ch. A326 (1993) 10

Pontecorvo, L., see Bacci, C. ... A324 (1993) 83
Pope, B.G., see DØ Collaboration ... A324 (1993) 53
Popeko, G.S., see Andreyev, A.N. ... A330 (1993) 125
Popov, A.A., see Ball, J. ... A327 (1993) 308
Popov, S.G., see Isaeva, L.G. ... A325 (1993) 16
Popov, S.G., see Gilman, R. ... A327 (1993) 277
Pöppl, H., see Senger, P. ... A327 (1993) 393
Poppleton, A., see Anghinolfi, F. ... A326 (1993) 365
Porcellato, A.M., see Fortuna, G. ... A328 (1993) 236
Porcellato, A.M., see Palmieri, V. ... A328 (1993) 280
Posa, F., see Baechler, J. ... A324 (1993) 449
Postma, H., see Triple Collaboration ... A326 (1993) 549
Potapov, A.I., see Chmill, V.B. ... A326 (1993) 310
Potekhin, M., see Chernyatin, V. ... A325 (1993) 441
Potekhin, M., see Bondarenko, V. ... A327 (1993) 386
Potterveld, D.H., see Gilman, R. ... A327 (1993) 277
Poulsen, J.M., see Frontera, F. ... A324 (1993) 589
Poutissou, J.-M., see Atiya, M.S. ... A321 (1992) 129
Poutissou, R., see Atiya, M.S. ... A321 (1992) 129
Poutot, D., see Anassontzis, E.G. ... A323 (1992) 351
Povh, B., see Düren, M. ... A322 (1992) 13
Povinec, P., see Bellotti, E. ... A323 (1992) 125
Povtoreiko, A., see Kozma, P. ... A322 (1992) 302
Povtoreiko, A., see Kozma, P. ... A328 (1993) 599
Pozzo, G., see Dudragne, A. ... A324 (1993) 93
Prado, P.J., see Cuello, G.J. ... A325 (1993) 309
Prasad, H., see Sabharwal, S.C. ... A329 (1993) 179
Prasuhn, D., see Hinterberger, F. ... A321 (1992) 453
Prasuhn, D., see EDDA Collaboration ... A329 (1993) 151
Pravikoff, M.S., see Blank, B. ... A330 (1993) 83
Prebys, E., see Biebel, O. ... A323 (1992) 169
Preciso, R., see Fortuna, G. ... A328 (1993) 236
Preciso, R., see Palmieri, V. ... A328 (1993) 280
Preda, A., see Bonetti, S. ... A329 (1993) 314
Preda, T., see Bychkov, V.N. ... A325 (1993) 158
Predehl, P., see Pinotti, E. ... A326 (1993) 85
Predieri, F., see MACRO Collaboration ... A324 (1993) 337
Pressyanov, D.S., I.P. Uzunov and P.P. Kritidis, Optimization of the counting time for the determination of ^{222}Rn daughters ... A326 (1993) 613
Prêtre, S., see Aroua, A. ... A321 (1992) 298
Prêtre, S., see Aroua, A. ... A321 (1992) 305
Prêtre, S., see Aroua, A. ... A321 (1992) 312
Pretzl, K., see Berger, C. ... A330 (1993) 285
Price, J.S. and W. Haeberli, Polarization measurement for polarized gas targets ... A326 (1993) 416
Price, L., see Becker-Szendy, R. ... A324 (1993) 363
Price, M., see Jones, R. ... A323 (1992) 386
Price, M.J., A low mass field cage for a time projection chamber ... A321 (1992) 489
Price, P.B., Mechanisms of attenuation of acoustic waves in antarctic ice ... A325 (1993) 346
Priem, R., see Faissner, H. ... A330 (1993) 76
Pritchard, T.W., see Allport, P.P. ... A324 (1993) 34
Produit, N., see Bourquin, M. ... A325 (1993) 509
Prokofiev, O., see Adeva, B. ... A323 (1992) 109
Prokopenko, V.S., see Minakov, G.D. ... A326 (1993) 566
Prokopowicz, W., see Senger, P. ... A327 (1993) 393
Proriol, J., see Brandl, B. ... A324 (1993) 307
Prosper, H., see DØ Collaboration ... A324 (1993) 53
Prosper, H., see Aihara, H. ... A325 (1993) 393
Prosperi, D., see Belli, P. ... A327 (1993) 207
Protopopescu, S., see DØ Collaboration ... A324 (1993) 53
Protopopescu, S., see Aihara, H. ... A325 (1993) 393
Proudfoot, G., A.J.T. Holmes, R. McAdams and L. Lea, A high current tandem accelerator ... A328 (1993) 47

Pryanichnikov, V.I., see Lebedev, P.K. A327 (1993) 222
Pu, Y.H., see Futami, Y. A326 (1993) 513
Pugatch, V.M., see Rosenfeld, A.B. A326 (1993) 234
Puglierin, G., see Bitter, T. A321 (1992) 284
Pühlhofer, F., see Senger, P. A327 (1993) 393
Puimedon, J., see Morales, J. A321 (1992) 410
Pukhov, O., see Budagov, Yu. A330 (1993) 458
Pullia, A., see Pinotti, E. A326 (1993) 85
Pullia, M., see Barletta, W.A. A329 (1993) 348
Půlpán, J. and M. Králík, Study of a time-of-flight spectrometer based on two NE-213 scintillators A321 (1992) 223
Půlpán, J. and M. Králík, The unfolding of neutron spectra based on the singular value decomposition of the response matrix A325 (1993) 314
Purschke, M., see Berger, F. A321 (1992) 152
Puseljic, D.L., see Frabetti, P.L. A329 (1993) 62
Putallaz, G., see Axen, D. A328 (1993) 472
Pyshchev, A.I., see Britvich, G.I. A326 (1993) 483
Pywell, R.E., see Cairns, E.B. A321 (1992) 109
Pywell, R.E., see Vogt, J.M. A324 (1993) 198

Qian, J.M., see Adeva, B. A323 (1992) 109
Qin Jiuchang see Guan Xialing A328 (1993) 34
Qu, Y.H., see Ishida, N. A327 (1993) 152
Quarles, C.A., Double atomic-field bremsstrahlung from thick targets, Nucl. Instr. and Meth. A280 (1989) 202–206 *(Erratum)* A326 (1993) 615
Quast, G., see Baines, J.T.M. A325 (1993) 271
Quintana, J.P., see Kushnir, V.I. A328 (1993) 588

Raab, J., see Baines, J.T.M. A325 (1993) 271
Rabinowitz, S., see Axen, D. A328 (1993) 472
Rachek, I.A., see Isaeva, L.G. A325 (1993) 16
Rachek, I.A., see Gilman, R. A327 (1993) 277
Racz, A., see French, M. A324 (1993) 511
Radeka, V., see Aubert, B. A321 (1992) 467
Radeka, V., see Smith, G.C. A323 (1992) 78
Radeka, V., see Yu, B. A323 (1992) 413
Radeka, V., see Aubert, B. A325 (1993) 116
Radeka, V., S. Rescia, P.F. Manfredi, V. Re and V. Speziali, Monolithic preamplifier employing epitaxial n-channel JFETS A326 (1993) 77
Radeka, V., see Pinotti, E. A326 (1993) 85
Radeka, V., see RD3 Collaboration A330 (1993) 405
Rädel, G., see CHARM-II Collaboration A325 (1993) 92
Radermacher, E., see Givernaud, A. A321 (1992) 551
Radermacher, E., see Bakker, F. A330 (1993) 44
Ragazzi, S., see Bellotti, E. A323 (1992) 125
Ragnarsson, I., see Duong, H.T. A325 (1993) 465
Ragusa, F., see Frabetti, P.L. A329 (1993) 62
Rahm, D., see Aubert, B. A321 (1992) 467
Rahm, D., see Aubert, B. A325 (1993) 116
Rahm, D., see RD3 Collaboration A330 (1993) 405
Rai, G., see Etkin, A. A323 (1992) 224
Raia, G., see Ciavola, G. A328 (1993) 64
Raine, C., see Beaumont, S.P. A321 (1992) 172
Raine, C., see Beaumont, S.P. A322 (1992) 472
Raine, C., see EHIT Collaboration A323 (1992) 407
Raine, C., see Beaumont, S.P. A326 (1993) 313
Rainò, A., see Bellotti, R. A323 (1992) 71
Rainò, A., see Brautti, G. A328 (1993) 59
Raja, R., see DØ Collaboration A324 (1993) 53
Raja, R., see Aihara, H. A325 (1993) 393
Rajagopalan, S., see DØ Collaboration A324 (1993) 53
Rambo, P., see Ahmad, S. A330 (1993) 416

Ramello, L., see Gill, K. ... A322 (1992) 177
Ramello, L., see MACRO Collaboration ... A324 (1993) 337
Rami, F., see Gobbi, A. ... A324 (1993) 156
Ramsay, W.D., see Sum, V. ... A326 (1993) 489
Ramsay, W.D., N.E. Davison, D.A. Hutcheon, R. Laxdal and J. Pearson, Production and monitoring of short duration beam bursts from the TRIUMF cyclotron ... A327 (1993) 265
Randaccio, P., see Conti, M. ... A322 (1992) 591
Ranieri, A., see MINI Collaboration ... A324 (1993) 330
Ransome, R.D., see Supek, I. ... A324 (1993) 19
Ranucci, G., R. Cavaletti, P. Inzani and I. Manno, Performances of the photomultiplier Hamamatsu R4558 for underground physics applications ... A324 (1993) 580
Ranucci, G., see Bonetti, S. ... A329 (1993) 314
Ranucci, G., S. Bonetti, R. Cavaletti, I. Manno and P. Ullucci, Performances of the photomultiplier Philips XP 1802 for underground physics applications ... A330 (1993) 276
Rapin, D., see Ahmidouch, A. ... A326 (1993) 538
Rapin, D., see Ball, J. ... A327 (1993) 308
Rappoldi, A., see Benetti, P. ... A327 (1993) 173
Rappoldi, A., see Benetti, P. ... A327 (1993) 203
Rappoldi, A., see Benetti, P. ... A329 (1993) 361
Raselli, G.L., see Benetti, P. ... A327 (1993) 173
Raselli, G.L., see Benetti, P. ... A327 (1993) 203
Raselli, G.L., see Benetti, P. ... A329 (1993) 361
Rashid, T., see Ahmad, N. ... A321 (1992) 403
Rasmussen, L., see DØ Collaboration ... A324 (1993) 53
Rasmussen, L., see Aihara, H. ... A325 (1993) 393
Ratti, S.P., see Frabetti, P.L. ... A329 (1993) 62
Ratz, K., see Bingefors, N. ... A328 (1993) 447
Rauprich, G., see Sydow, L. ... A327 (1993) 441
Rawool-Sullivan, M.W., see Sullivan, J.P. ... A324 (1993) 441
Raymond, M., see Bingefors, N. ... A326 (1993) 112
Raynaud, J., see Anassontzis, E.G. ... A323 (1992) 351
Razen, B., see Faissner, H. ... A330 (1993) 76
Razin, V.I., V.A. Krasnov, A.B. Kuperin and V.S. Pantuev, Improvement of multiwire chamber performance ... A321 (1992) 504
Razis, P., see Adeva, B. ... A323 (1992) 109
RD2 Collaboration, see Munday, D. ... A326 (1993) 100
RD2 Collaboration, see Anghinolfi, F. ... A326 (1993) 365
RD3 Collaboration, B. Aubert, A. Bazan, B. Beaugiraud, J. Colas, T. Leflour, M. Maire, J.P. Vialle, I. Wingerter-Seez, Y.P. Zolnierowski, H.A. Gordon, V. Radeka, D. Rahm, D. Stephani, N. Bulgakov, J.L. Chevalley, C.W. Fabjan, D. Fournier, O. Gildemeister, P. Jenni, M. Nessi, F. Nessi-Tedaldi, M. Pepe, W. Richter, J. Soderqvist, V. Vuillemin, J.M. Baze, L. Gosset, P. Lavocat, J.P. Lottin, B. Mansoulie, J.P. Meyer, J.F. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D.V. Camin, D. Cavalli, G. Costa, A. Cravero, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, G. Pessina, M. Sciamanna, E. Augé, R. Chase, J.C. Chollet, C. de La Taille, L. Fayard, A. Hrisoho, Ph. Jean, G.L. Meur, B. Merkel, J.M. Noppe, G. Parrour, P. Pétroff, J.P. Repellin, A. Schaffer, N. Seguin, G. Unal, C. Fuglesang and M. Lefebvre, Performance of a liquid argon preshower detector integrated with an Accordion calorimeter ... A330 (1993) 405
Re, V., see Radeka, V. ... A326 (1993) 77
Re, V., see Aulchenko, V.M. ... A327 (1993) 193
Read, A.L., see DØ Collaboration ... A324 (1993) 53
Read, A.L., see Bugge, L. ... A327 (1993) 296
Reali, E., see Cardarelli, R. ... A324 (1993) 253
Rebel, H., see Engler, J. ... A327 (1993) 128
Reber, E.L., see Mendez, A.J. ... A329 (1993) 37
Reckenfelderbäumer, R., see Sydow, L. ... A327 (1993) 441
Redaelli, N., see Bingefors, N. ... A328 (1993) 447
Reddy, A.R., see Bhatnagar, P.K. ... A329 (1993) 467
Redi, O., see Duong, H.T. ... A325 (1993) 465
Redlinger, G., see Batignani, G. ... A326 (1993) 183
Redmond, M.W., see Hobbs, J.D. ... A325 (1993) 494
Regan, T.O., H.C. Fenker, J. Thomas and J. Oliver, A method to quench and recharge avalanche photo diodes for use in high rate situations ... A326 (1993) 570
Rehak, P., see Bertuccio, G. ... A322 (1992) 271

Rehak, P., see Bertuccio, G. ... A326 (1993) 71
Rehak, P., see Pinotti, E. ... A326 (1993) 85
Rehak, P., see Vacchi, A. ... A326 (1993) 267
Rehak, P., see Chen, W. ... A326 (1993) 273
Reichert, E., see Steffens, K.-H. ... A325 (1993) 378
Reidy, J., see Beretvas, A. ... A329 (1993) 50
Reimers, R., see Brecht, D. ... A323 (1992) 60
Rein, D., see Faissner, H. ... A330 (1993) 76
Reines, F., see Becker-Szendy, R. ... A324 (1993) 363
Reinhard, J., see Streubel, G. ... A322 (1992) 57
Reisdorf, W., see Gobbi, A. ... A324 (1993) 156
Reithler, H., see Faissner, H. ... A330 (1993) 76
Rekveldt, M.Th. see Roest, W. ... A322 (1992) 65
Ren, T.M.-L., see DØ Collaboration ... A324 (1993) 53
Ren-yuan Zhu, see Zong-ying Wei ... A326 (1993) 508
Renardy, J.F., see Aubert, B. ... A321 (1992) 467
Renardy, J.F., see RD3 Collaboration ... A330 (1993) 405
Renardy, J.R., see Aubert, B. ... A325 (1993) 116
Renevey, M., see CPLEAR Collaboration ... A321 (1992) 458
Renevey, M., see Jones, R. ... A323 (1992) 386
Renić, D., see Blagus, S. ... A321 (1992) 271
Reolon, A.R., see Zucchiatti, A. ... A321 (1992) 219
Reolon, A.R., see Anghinolfi, M. ... A324 (1993) 191
Repellin, J.P., see Aubert, B. ... A321 (1992) 467
Repellin, J.P., see Aubert, B. ... A325 (1993) 116
Repellin, J.P., see RD3 Collaboration ... A330 (1993) 405
Repnow, R., see Grieser, M. ... A328 (1993) 160
Repnow, R., see von Hahn, R. ... A328 (1993) 270
Repnow, R., Concluding remarks ... A328 (1993) 380
Repond, S., see DØ Collaboration ... A324 (1993) 53
Reppin, C., see Pinotti, E. ... A326 (1993) 85
Reppin, C., see Bräuninger, H. ... A326 (1993) 126
Rescia, S., see Bertuccio, G. ... A322 (1992) 271
Rescia, S., see Radeka, V. ... A326 (1993) 77
Rescia, S., see Chase, R.L. ... A330 (1993) 228
Rester, A.C., see Aspacher, B. ... A330 (1993) 243
Resvanis, L.K., see Anassontzis, E.G. ... A323 (1992) 351
Rewiersma, P.A.M., see Bakker, F. ... A330 (1993) 44
Reynaud, S., see Bähr, J. ... A324 (1993) 145
Reynoldson, J., see MACRO Collaboration ... A324 (1993) 337
Rhee, M.-H., see Grieser, M. ... A328 (1993) 160
Riadovikov, V., see DØ Collaboration ... A324 (1993) 53
Ribas, R.V., MagMo: data analysis of TMF measurements of g-factors ... A328 (1993) 553
Ricaud, Ch., see Bourgarel, M.P. ... A328 (1993) 321
Riccardi, C., see Frabetti, P.L. ... A329 (1993) 62
Riccardi, F., see Buontempo, S. ... A327 (1993) 509
Riccardi, G.A., see Ehlmann, B.K. ... A325 (1993) 294
Ricci, R.A., Electrostatic accelerators in the development of nuclear physics in Italy ... A328 (1993) 355
Ricco, G., see Zucchiatti, A. ... A321 (1992) 219
Ricco, G., see Anghinolfi, M. ... A324 (1993) 191
Rice, D., see Rubin, D.L. ... A330 (1993) 12
Richeux, J.-P., see Bourquin, M. ... A325 (1993) 509
Richter, A., see Stascheck, A. ... A321 (1992) 13
Richter, J., Large size microstrip particle detectors ... A323 (1992) 263
Richter, M. and P. Siffert, High resolution gamma ray spectroscopy with CdTe detector systems ... A322 (1992) 529
Richter, R., see Lechner, P. ... A326 (1993) 284
Richter, R.H., see Bischoff, A. ... A326 (1993) 27
Richter, W., see Aubert, B. ... A321 (1992) 467
Richter, W., see Dudragne, A. ... A324 (1993) 93
Richter, W., see Aubert, B. ... A325 (1993) 116
Richter, W., see RD3 Collaboration ... A330 (1993) 405

Rico, J., see Noé, J.W. ... A328 (1993) 285
Rieder, R., see Economou, T.E. ... A322 (1992) 633
Rieder, R., W. Ladisich, P. Wobrauschek, C. Streli and P. Kregsamer, A multifunctional vacuum chamber for total reflection X-ray fluorescence analysis in various excitation and detection geometries for detection limits in the femtogram range ... A327 (1993) 594
Rieder, R., see Ladisich, W. ... A330 (1993) 501
Riedlberger, J., see Eichenberger, S. ... A323 (1992) 532
Riedlberger, J., see Wolff, Th. ... A323 (1992) 537
Riekel, C., see Barbosa, A.F. ... A323 (1992) 247
Riemers, B.C., see Adeva, B. ... A323 (1992) 109
Rieseberg, H., see Beusch, W. ... A323 (1992) 373
Rietdorf, T., see Stascheck, A. ... A321 (1992) 13
Rifuggiato, D., see Ciavola, G. ... A328 (1993) 64
Rijssenbeek, M., see DØ Collaboration ... A324 (1993) 53
Riley, P.J., see Supek, I. ... A324 (1993) 19
Rinckel, T., see Wells, S.P. ... A325 (1993) 205
Rinckel, T., see Ross, M.A. ... A326 (1993) 424
Rinckel, T., see v. Przewoski, B. ... A328 (1993) 435
Rinckel, T., see Pollock, R.E. ... A330 (1993) 380
Ripamonti, G., see Lacaita, A. ... A326 (1993) 290
Ripani, M., see Zucchiatti, A. ... A321 (1992) 219
Ripani, M., see Anghinolfi, M. ... A324 (1993) 191
Rith, K., see Düren, M. ... A322 (1992) 13
Rith, K., see Barber, D.P. ... A329 (1993) 79
Ritter, G., K.-E. Ehwald and D. Knoll, Gettering and defect engineering for a low noise CCD compatible 1.5 μm BICMOS technology ... A326 (1993) 3
Ritz, S., see Caldwell, A. ... A321 (1992) 356
Rizzi, D., see Batignani, G. ... A326 (1993) 183
Rizzo, G., see Batignani, G. ... A326 (1993) 183
Roberson, N.R., see Triple Collaboration ... A326 (1993) 549
Roberts, A.D., P. Elmer, M.A. Ross, T. Wise and W. Haeberli, Medium field rf transitions for polarized beams of hydrogen and deuterium ... A322 (1992) 6
Roberts, J.B., see Etkin, A. ... A323 (1992) 224
Robertson, L., see Axen, D. ... A328 (1993) 472
Robertson, L.P., see Astbury, A. ... A324 (1993) 461
Robertson, L.P., see Poffenberger, P.R. ... A327 (1993) 99
Robinson, D., see Baines, J.T.M. ... A325 (1993) 271
Robl, P., see Panescu, D. ... A330 (1993) 475
Robmann, P., see Eichenberger, S. ... A323 (1992) 532
Robmann, P., see Wolff, Th. ... A323 (1992) 537
Roda, C., see Adinolfi, M. ... A329 (1993) 117
Roderburg, E., R. Bröders, M. Dahmen, G. Decker, K. Kilian, A. Kurtenbach, C. Lippert, W. Oelert, G. Sehl, O. Steinkamp, R. Stratmann, S. Walsh and M. Ziolkowski, Measurement of the spatial resolution and rate capability of an induction drift chamber ... A323 (1992) 140
Roderburg, E., see Dahmen, M. ... A323 (1992) 542
Roditi, I., see Bingefors, N. ... A328 (1993) 447
Rodney, W., see Benjelloun, M. ... A321 (1992) 521
Rodning, N.L., see Cairns, E.B. ... A321 (1992) 109
Rodriguez Barquero, L., see Grau Carles, A. ... A325 (1993) 234
Rodyakin, V.A., see Aulchenko, V.M. ... A327 (1993) 193
Roe, N.A., see DØ Collaboration ... A324 (1993) 53
Roe, N.A., see Aihara, H. ... A325 (1993) 393
Roe, S., see Gill, K. ... A322 (1992) 177
Roe, S., see Braem, A. ... A326 (1993) 325
Roest, W. and M.Th. Rekveldt, Calibration procedure and wavelength correction for neutron depolarization experiments ... A322 (1992) 65
Rogers, D.W.O., see Faddegon, B.A. ... A327 (1993) 556
Rogers, H., see Axen, D. ... A328 (1993) 472
Rogovsky, I.A., see Akimov, D.Yu. ... A327 (1993) 155
Rohdjeß, H., see EDDA Collaboration ... A329 (1993) 151
Rohrbach, W., see Crystal Barrel Collaboration ... A321 (1992) 69

Rohrer, L., see Münzer, H. A328 (1993) 52
Roland, G., see Baechler, J. A324 (1993) 449
Rolf, A., see Anghinolfi, F. A326 (1993) 365
Rolfs, C., see Benjelloun, M. A321 (1992) 521
Rollnik, A., see Biebel, O. A323 (1992) 169
Roloff, H.E., see Bähr, J. A324 (1993) 145
Roloff, H.-E., see Bähr, J. A330 (1993) 103
Romachin, V.A., see Danilova, T.V. A323 (1992) 104
Romaniouk, A., see Chernyatin, V. A325 (1993) 441
Romaniouk, A., see Bondarenko, V. A327 (1993) 386
Romano, F., see MINI Collaboration A324 (1993) 330
Romans, E.J., see EHIT Collaboration A323 (1992) 407
Romero, L., see Adeva, B. A323 (1992) 109
Roney, J.M., see Hobbs, J.D. A325 (1993) 494
Ronga, F., see MACRO Collaboration A324 (1993) 337
Ronnqvist, C., see Brenner, R. A326 (1993) 189
Ronnqvist, C., see Bingefors, N. A328 (1993) 447
Roos, L., see Batignani, G. A326 (1993) 183
Ropelewski, L., see Bouclier, R. A323 (1992) 240
Ropelewski, L., see Florent, J.J. A329 (1993) 125
Roques, J.P., see Lei, F. A321 (1992) 598
Ros, E., see Biebel, O. A323 (1992) 169
Rosa, G., see MACRO Collaboration A324 (1993) 337
Rosales, M., see Brecht, D. A323 (1992) 60
Rosato, E., see Grassi, D. A322 (1992) 449
Rose, H., see Hoffstätter, G.H. A328 (1993) 398
Rosendaal, D., see EDDA Collaboration A329 (1993) 151
Rosenfeld, A.B., V.M. Pugatch, O.S. Zinets, P.G. Litovchenko, L.I. Barabash, Yu.N. Pavlenko and Yu.O. Vasilyev, Strip detector for short-range particles A326 (1993) 234
Rosenfeld, C., see Ueno, K. A323 (1992) 601
Rosenka, R., see Atiya, M.S. A321 (1992) 129
Rosenzweig, J., see Benz, K.W. A322 (1992) 493
Röser, U., see Deiters, K. A323 (1992) 162
Ross, M.A., see Roberts, A.D. A322 (1992) 6
Ross, M.A., W.K. Pitts, W. Haeberli, H.O. Meyer, S.F. Pate, R.E. Pollock, B. von Przewoski, T. Rinckel, J. Sowinski, F. Sperisen and P.V. Pancella, Test of a windowless storage cell target in a proton storage ring . A326 (1993) 424
Ross, M.A., see Pollock, R.E. A330 (1993) 380
Ross, R.R., see Shutt, T. A326 (1993) 166
Rosseel, G., see Snoeys, W. A326 (1993) 144
Rossel, F., see Bingefors, N. A328 (1993) 447
Rossi, C., see D'Auria, G. A329 (1993) 393
Rossi, L., see Bellotti, E. A323 (1992) 125
Rossi, L., see Adinolfi, M. A329 (1993) 117
Rossi, M., see Caroli, E. A322 (1992) 639
Rossi, M., see Baldazzi, G. A322 (1992) 644
Rossi, M., see Baldazzi, G. A326 (1993) 319
Rossi, P., see Zucchiatti, A. A321 (1992) 219
Rossi, P., see Anghinolfi, M. A324 (1993) 191
Rossi, P., see Benetti, P. A327 (1993) 173
Rossi, P., see Benetti, P. A327 (1993) 203
Rossi, P., see Bollini, D. A328 (1993) 173
Rossi, P., see Benetti, P. A329 (1993) 361
Rössle, E., see Ball, J. A327 (1993) 308
Rossmanith, R., see Karabekov, I.P. A321 (1992) 18
Rosso, E., see Anassontzis, E.G. A323 (1992) 351
Rosso, V., see Conti, M. A322 (1992) 591
Rosvick, M., see Astbury, A. A324 (1993) 461
Rosvick, M., see Poffenberger, P.R. A327 (1993) 99
Roters, B., see Berger, F. A321 (1992) 152
Roters, G., see Benjelloun, M. A321 (1992) 521
Roth, M., see Hermon, H. A322 (1992) 432

Roth, M., see Hermon, H. ... A322 (1992) 442
Rothberg, J., see Alemany, R. ... A330 (1993) 422
Rottigni, G.A., see Ottonello, P. ... A323 (1992) 485
Rouget, M., see Munday, D. ... A326 (1993) 100
Roumie, M., see Cooke, C.M. ... A328 (1993) 80
Rousseau, D., see Batignani, G. ... A326 (1993) 183
Rovelli, A., see Ciavola, G. ... A328 (1993) 64
Rowe, D., see Heinson, A.P. ... A321 (1992) 165
Rowe, W.A., see Barberis, E. ... A326 (1993) 373
Rowson, P.C., see Axen, D. ... A328 (1993) 472
Roy, J., see Atiya, M.S. ... A321 (1992) 129
Roy, P., Y.-L. Mathis, A. Gerschel, J.-P. Marx, J. Michaut, B. Lagarde and P. Calvani, Infrared synchrotron radiation from an undulator ... A325 (1993) 568
Roynette, J.C., see Laurent, H. ... A326 (1993) 517
Roynette, J.C., see Bellia, G. ... A329 (1993) 173
Rozanov, A., see CHARM-II Collaboration ... A325 (1993) 92
Roze, Y., see Pearson, J.F. ... A325 (1993) 578
Ruan(Gen), J., see Suzuki, M. ... A327 (1993) 67
Ruan(Gen), J., see Kubota, S. ... A327 (1993) 71
Rubbia, C., see Benetti, P. ... A327 (1993) 173
Rubbia, C., see Benetti, P. ... A327 (1993) 203
Rubbia, C., see Benetti, P. ... A329 (1993) 361
Rubin, D.L., M. Billing, J. Byrd, T. Chen, Z. Greenwald, D. Hartill, J. Hylas, J. Kaplan, A. Krasnykh, R. Meller, S. Peck, T. Pelaia, D. Rice, D. Sagan, L.A. Schick, J. Sikora and J. Welch, Beam–beam interaction with a horizontal crossing angle ... A330 (1993) 12
Rubin, P., see Alexander, J.P. ... A326 (1993) 243
Rubinov, P., see DØ Collaboration ... A324 (1993) 53
Rubio, J.A., see Adeva, B. ... A323 (1992) 109
Ruchti, R., see Abbott, B. ... A327 (1993) 319
Ruchti, R.C., see Frabetti, P.L. ... A329 (1993) 62
Ruckstuhl, W., see Bay, A. ... A321 (1992) 119
Rudello, V., see Bollini, D. ... A328 (1993) 173
Rudge, A., see Bingefors, N. ... A326 (1993) 112
Rudge, A., see Brenner, R. ... A326 (1993) 189
Rudge, A., see Brenner, R. ... A326 (1993) 198
Rue, H., see Myrheim, J. ... A327 (1993) 539
Ruggiero, A.G., Tandems as injectors for synchrotrons ... A328 (1993) 3
Ruland, R., see DØ Collaboration ... A324 (1993) 53
Rulikowska-Zarębska, E., see Bobrowski, M. ... A323 (1992) 309
Rumyantsev, V.S., Dependence of hadron calorimeter energy resolution on the properties of a wavelength shifter ... A322 (1992) 207
Rundquist, D.E., see Arlt, R. ... A322 (1992) 575
Runge, K., see Benz, K.W. ... A322 (1992) 493
Runge, K., see Baechler, J. ... A324 (1993) 449
Runolfsson, O., see Allport, P.P. ... A324 (1993) 34
Rusack, R., see Mélèse, P. ... A322 (1992) 189
Russell, J.J., see Axen, D. ... A328 (1993) 472
Russo, P., see Conti, M. ... A322 (1992) 591
Russo, T., see Pile, P.H. ... A321 (1992) 48
Russo, V., see Anzivino, G. ... A329 (1993) 521
Rustichelli, F., see Albertini, G. ... A321 (1992) 381
Rustique, J., see Verger, L. ... A322 (1992) 357
Rustique, J., see Mathy, F. ... A322 (1992) 615
Rutherfoord, J., see DØ Collaboration ... A324 (1993) 53
Rutherfoord, J., see Aihara, H. ... A325 (1993) 393
Ruzinov, V.L., see Palmieri, V. ... A328 (1993) 280
Ryan, A.J., see Bras, W. ... A326 (1993) 587
Rybak, V.V., see Baranov, V.T. ... A328 (1993) 413
Rybarcyk, L.J., see Langenbrunner, J. ... A325 (1993) 187
Ryckbosch, D., see Van Hoorebeeke, L. ... A321 (1992) 230
Ryckbosch, D., see Van Hoorebeke, L. ... A326 (1993) 608

Rykaczewski, H., see Adeva, B. A323 (1992) 109
Rykalin, V.I., see Britvich, G.I. A326 (1993) 483
Rylin, A.V., see Baru, S.E. A323 (1992) 151
Rzhanov, A.G., see Alimov, A.S. A326 (1993) 391

Saadatmand, K., see Yuan, V.W. A329 (1993) 381
Saarikko, H., see Bingefors, N. A328 (1993) 447
Saarikko, J.P., see Bingefors, N. A328 (1993) 447
Sabharwal, S.C., H. Prasad, D.G. Desai, Sangeeta, S.C. Karandikar and M.K. Gupta, Thermoluminescence and transmission recovery of gamma irradiated $Bi_4Ge_3O_{12}$ single crystal A329 (1993) 179
Sacchetti, A., see MACRO Collaboration A324 (1993) 337
Sachdeva, R., see Bingefors, N. A326 (1993) 112
Sacquin, Y., The DELPHI time projection chamber A323 (1992) 209
Sadler, G.J., see Adams, J.M. A329 (1993) 277
Sadoulet, B., see Shutt, T. A326 (1993) 166
Sadrozinski, H.F.-W., see Gadomski, S. A326 (1993) 239
Sadrozinski, H.F.-W., see Barberis, E. A326 (1993) 373
Saenz, C., see Morales, J. A321 (1992) 410
Saettel, M.A., see Gobbi, A. A324 (1993) 156
Saez, P., see Axen, D. A328 (1993) 472
Sagan, D., see Rubin, D.L. A330 (1993) 12
Sagan, D., Mass and charge measurement of trapped dust in the CESR storage ring A330 (1993) 371
Sagawa, H., see Kichimi, H. A325 (1993) 451
Sahuc, E., see Gobbi, A. A324 (1993) 156
Saito, K., M. Konmura, M. Nakamura, H. Tajima, K. Teraoka, T. Nakano, O. Sato, K. Niwa, K. Yamamoto and K. Yamamura, Basic characters of silicon strip detectors with double layer aluminum electrodes A326 (1993) 204
Saito, K., see Yamamoto, K. A326 (1993) 222
Saitoh, M., see Uno, S. A330 (1993) 55
Sajok, R., see Alfter, I. A321 (1992) 506
Sakae, T., see Uozumi, Y. A324 (1993) 558
Sakai, Y., see Hasegawa, Y. A327 (1993) 57
Sakai, Y., see Schmidt, W.F. A327 (1993) 87
Sakai, Y., T. Ando, K. Kimura, H. Tagashira and S. Nakamura, Excess electrons in N_2/Ar liquid mixtures ... A327 (1993) 92
Sakai, Y., see Uno, S. A330 (1993) 55
Sakamoto, H., see Yamada, Y. A330 (1993) 64
Sakamoto, M., see Masuda, K. A327 (1993) 134
Sakamoto, M., see Minowa, M. A327 (1993) 612
Sakanaka, S., T. Mitsuhashi, A. Ueda and M. Izawa, Construction of a high frequency quadrupole magnet used to cure transverse coupled-bunch instabilities A325 (1993) 1
Sakuda, M., see Terunuma, N. A323 (1992) 471
Sakumoto, W.K., see Hauser, J. A321 (1992) 497
Sakumoto, W.K., see Beretvas, A. A329 (1993) 50
Sala, A., see Aulchenko, V.M. A327 (1993) 193
Sala, A., see Frabetti, P.L. A329 (1993) 62
Sala, O., see Acquadro, J.C. A324 (1993) 1
Sala, P., see Aubert, B. A321 (1992) 467
Sala, S., see Frabetti, P.L. A329 (1993) 62
Saldin, E.L., E.A. Schneidmiller and M.V. Yurkov, Mode theory of FEL oscillator with the open plane Fabry–Perot resonator, helical undulator and axisymmetric electron beam A322 (1992) 293
Salete Leite, M., see Fraga, M.M. A323 (1992) 284
Salicio, J., see Adeva, B. A323 (1992) 109
Salmas, P., see Buontempo, S. A327 (1993) 509
Sambamurti, A.K., see Atiya, M.S. A321 (1992) 129
Samek, S., see Kopczynski, J. A328 (1993) 56
Samek, S., A universal link for transmission and remote control A328 (1993) 199
Samm, D., see Faissner, H. A330 (1993) 76
Sampietro, M., see Bertuccio, G. A322 (1992) 271
Sampietro, M., see Pinotti, E. A326 (1993) 85
Sampietro, M., see Vacchi, A. A326 (1993) 267
Sampietro, M., see Chen, W. A326 (1993) 273
Sandberg, J., see Pile, P.H. A321 (1992) 48

Sander, O.R., see Yuan, V.W. A329 (1993) 381
Sanders, H., see Hobbs, J.D. A325 (1993) 494
Sandoval, A., see Baechler, J. A324 (1993) 449
Sandoval, D.P., see Yuan, V.W. A329 (1993) 381
Sandoval, J., see Stanislaus, S. A323 (1992) 198
Sangeeta, see Sabharwal, S.C. A329 (1993) 179
Sangster, T.C., see Costales, J.B. A330 (1993) 183
Sanjari, A.H., see Crystal Barrel Collaboration A321 (1992) 69
Sankey, D.P.C., see Bailey, J.M. A323 (1992) 184
Sankey, D.P.C., see Grässler, H. A323 (1992) 401
Sankey, D.P.C., see EHIT Collaboration A323 (1992) 407
Sans, J.L., see Ball, J. A327 (1993) 308
Santacesaria, R., see CHARM-II Collaboration A325 (1993) 92
Santana, J., see Beaumont, S.P. A321 (1992) 172
Santana, J., see Beaumont, S.P. A322 (1992) 472
Santana, J., see Beaumont, S.P. A326 (1993) 313
Santi, L., see Balestra, F. A323 (1992) 523
Santiard, J.C., see Munday, D. A326 (1993) 100
Santo, R., see Berger, F. A321 (1992) 152
Santoni, C., see CPLEAR Collaboration A321 (1992) 458
Santonico, R., see Bacci, C. A324 (1993) 83
Santonico, R., see Cardarelli, R. A324 (1993) 253
Santonico, R., see MINI Collaboration A324 (1993) 330
Santos, D., see Brenner, R. A326 (1993) 189
Sanzani, G., see MACRO Collaboration A324 (1993) 337
Sanzone, M., see Zucchiatti, A. A321 (1992) 219
Sapienza, P., see Del Zoppo, A. A327 (1993) 363
Sapienza, P., see Bellia, G. A329 (1993) 173
Sarakinos, M., see Adeva, B. A323 (1992) 109
Sarantites, D.G., see Hua, P.-F. A330 (1993) 121
Sarno, R., see Bastianello, G. A324 (1993) 543
Saro, S., see Andreyev, A.N. A330 (1993) 125
Sartorius, S., see Senger, P. A327 (1993) 393
Saruta, T., see Katagiri, M. A327 (1993) 463
Sarwar, S., see Anzivino, G. A329 (1993) 521
Sasaki, H., K. Ito, M. Kusunose, T. Horiki, T. Nakatsuka, S. Kino and Y. Hatano, Afterpulses and decay times of fast scintillation counters for extensive air shower experiments A321 (1992) 180
Sasaki, O., see Uno, S. A330 (1993) 55
Sasao, N., see Harada, H. A322 (1992) 286
Sato, I., see Yamazaki, Y. A322 (1992) 139
Sato, O., see Saito, K. A326 (1993) 204
Sato, S., see Hirai, Y. A327 (1993) 256
Sato, T., see Aoyama, T. A322 (1992) 170
Sato, T., see Horiuchi, N. A324 (1993) 574
Satoh, K., see Hanaoka, K. A329 (1993) 16
Satow, Y., see Hirai, Y. A327 (1993) 256
Satriano, C., see MACRO Collaboration A324 (1993) 337
Satta, L., see MACRO Collaboration A324 (1993) 337
Sauerland, K., see Stamm, W. A328 (1993) 601
Sauli, F., Applications of gaseous detectors in astrophysics, medicine and biology A323 (1992) 1
Sauli, F., see Bouclier, R. A323 (1992) 240
Sauli, F., see Sharma, A. A323 (1992) 280
Sauli, F., see Giomataris, Y. A323 (1992) 431
Sauli, F., see Charpak, G. A323 (1992) 445
Sauli, F., see Florent, J.J. A329 (1993) 125
Saulys, A.C., see Etkin, A. A323 (1992) 224
Saunders, I., see Beaumont, S.P. A322 (1992) 472
Saunders, I., see Beaumont, S.P. A326 (1993) 313
Saunders, I.J., see Beaumont, S.P. A321 (1992) 172
Sauvage, D., see Basa, S. A330 (1993) 93
Sava, G., see Iori, I. A325 (1993) 458

Savinel, G., see Gobbi, A. A324 (1993) 156
Savinov, G.A., see Babichev, E.A. A323 (1992) 49
Savinov, G.A., see Baru, S.E. A323 (1992) 151
Sawafta, R., see Pile, P.H. A321 (1992) 48
Saxon, D.H., see EHIT Collaboration A323 (1992) 407
Scampoli, P., see Anghinolfi, F. A326 (1993) 365
Scannicchio, D., see Benetti, P. A327 (1993) 173
Scannicchio, D., see Benetti, P. A327 (1993) 203
Scannicchio, D., see Benetti, P. A329 (1993) 361
Scapparone, E., see MACRO Collaboration A324 (1993) 337
Scardaoni, R., see Iori, I. A325 (1993) 458
Scarpa, F., see Fortuna, G. A328 (1993) 236
Scarsi, L., see MINI Collaboration A324 (1993) 330
Schaad, T.P., see Bay, A. A321 (1992) 119
Schacht, P., Calibration of the H1 liquid argon calorimeter A327 (1993) 212
Schaeffer, M., see Anassontzis, E.G. A323 (1992) 351
Schaeffer, M., see Brenner, R. A326 (1993) 189
Schaeffer, M., see Brenner, R. A326 (1993) 198
Schaeffer, M., see Bingefors, N. A328 (1993) 447
Schaerf, C., see Zucchiatti, A. A321 (1992) 219
Schäfer, E., see Crystal Barrel Collaboration A321 (1992) 69
Schäfer, F., see Benz, K.W. A322 (1992) 493
Schaffer, A., see Aubert, B. A321 (1992) 467
Schaffer, A., see Aubert, B. A325 (1993) 116
Schaffer, A., see RD3 Collaboration A330 (1993) 405
Schaile, O., see Biebel, O. A323 (1992) 169
Schaile, O., see Baines, J.T.M. A325 (1993) 271
Schamberger, R.D., see DØ Collaboration A324 (1993) 53
Schamberger, R.D., see Aihara, H. A325 (1993) 393
Schanin, P.M., see Koval, N.N. A321 (1992) 417
Schappert, W.S., see Hobbs, J.D. A325 (1993) 494
Schardt, D., see Haberer, Th. A330 (1993) 296
Scharff-Hansen, P., see Baines, J.T.M. A325 (1993) 271
Schatz, H., see Fretwurst, E. A326 (1993) 357
Schaub, B., see Verger, L. A322 (1992) 357
Schebetov, A.F., see Syromyatnikov, V.G. A324 (1993) 401
Scheiber, C. and J. Chambron, CdTe detectors in medicine: a review of current applications and future perspectives A322 (1992) 604
Scheid, H., see EDDA Collaboration A329 (1993) 151
Schemmerling, K., see Bartos, A. A330 (1993) 132
Schempp, A., see Grieser, M. A328 (1993) 160
Schenk, H.W., see Myalitsin, V.K. A323 (1992) 97
Schenk, P., see Astbury, A. A324 (1993) 461
Schenk, P., see Baines, J.T.M. A325 (1993) 271
Schenk, P., see Poffenberger, P.R. A327 (1993) 99
Schenk, P., see Axen, D. A328 (1993) 472
Schetkovsky, A., see Adeva, B. A323 (1992) 109
Schick, L.A., see Rubin, D.L. A330 (1993) 12
Schicker, R., see Senger, P. A327 (1993) 393
Schieber, M., see Hermon, H. A322 (1992) 432
Schieber, M., see Hermon, H. A322 (1992) 442
Schiller, R., Ion–electron recombination in pairs: critical appraisal of a theory A327 (1993) 37
Schilling, S., see Stanislaus, S. A323 (1992) 198
Schilly, P., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Schindler, R.H., see Axen, D. A328 (1993) 472
Schinzel, D., see Givernaud, A. A321 (1992) 551
Schinzel, D., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Schinzel, D., see Braem, A. A326 (1993) 325
Schirm, N., see EDDA Collaboration A329 (1993) 151

Schirripa Spagnolo, G., see Leoni, R. A322 (1992) 258
Schiuma, D., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Schlei, B., see Senger, P. A327 (1993) 393
Schleichert, R., see Faissner, H. A330 (1993) 76
Schlein, P., see Brandt, A. A327 (1993) 412
Schlenstedt, S., see D'Ambrosio, C. A322 (1992) 20
Schlesinger, T.E., X.J. Bao, R.B. James, A.Y. Cheng, C. Ortale and L. van den Berg, Carrier traps and transport in mercuric iodide A322 (1992) 414
Schlesinger, T.E., see James, R.B. A322 (1992) 435
Schlosser, C., see Wink, R. A329 (1993) 541
Schmid, B., see Crystal Barrel Collaboration A321 (1992) 69
Schmidberger, J., see Forker, M. A327 (1993) 456
Schmidt, B., see Kunst, T. A324 (1993) 127
Schmidt, B., J.v. Borany and D. Schubert, Application of wet chemical selective etch techniques to the fabrication of thin silicon detectors A326 (1993) 21
Schmidt, B.G., see Mendez, A.J. A329 (1993) 37
Schmidt, D.M., see Alexander, J.P. A326 (1993) 243
Schmidt, D.M., R.J. Morrison and M.S. Witherell, A general method of estimating physical parameters from a distribution with acceptance and smearing effects A328 (1993) 547
Schmidt, K.-H., see Hanelt, E. A321 (1992) 434
Schmidt, R., see Matulewicz, T. A325 (1993) 216
Schmidt, W.F., see Givernaud, A. A321 (1992) 551
Schmidt, W.F., see Koizumi, H. A327 (1993) 75
Schmidt, W.F., Charge carrier energetics and dynamics in nonpolar liquids A327 (1993) 83
Schmidt, W.F., Y. Sakai and A.G. Khrapak, Self-trapping kinetics of electrons in liquid neon A327 (1993) 87
Schmiemann, K., see Berger, C. A330 (1993) 285
Schmitt, B., see Chen, W. A326 (1993) 273
Schmitt, H., see Ball, J. A327 (1993) 308
Schmitt, P., see Adeva, B. A323 (1992) 109
Schmitz, C.J., see Abbott, B. A327 (1993) 319
Schmitz, J., Results on Monte Carlo simulations of a microstrip gas counter A323 (1992) 638
Schmitz, T., see Pierschel, M. A326 (1993) 304
Schmoetten, E., see Baechler, J. A324 (1993) 449
Schneider, J., see Benz, K.W. A322 (1992) 493
Schneider, O., see Bacchetta, N. A324 (1993) 284
Schneider, W., see Detemple, P. A321 (1992) 479
Schneidmiller, E.A., see Saldin, E.L. A322 (1992) 293
Schnepple, W.F., see Iwanczyk, J.S. A322 (1992) 421
Schnizer, B., see Schöpf, H. A323 (1992) 338
Schoch, B., see Matulewicz, T. A325 (1993) 216
Schoen, A., see Chen, W. A326 (1993) 273
Scholberg, K., see MACRO Collaboration A324 (1993) 337
Scholz, Ch., see Barber, D.P. A329 (1993) 79
Schooneveld, E.M., C.W.E. van Eijk, R.W. Hollander and E.A. Hijzen, Study of the position-sensitive detection of X-rays with a silicon drift chamber A326 (1993) 263
Schöpf, H. and B. Schnizer, Theory describing cathode signals from charges moving in counters with a poorly conducting cathode A323 (1992) 338
Schopper, A., see CPLEAR Collaboration A321 (1992) 458
Schott, W., see Crystal Barrel Collaboration A321 (1992) 69
Schreiber, S., see Biebel, O. A323 (1992) 169
Schröder, B., see Van Hoorebeeke, L. A321 (1992) 230
Schröder, O., see Pierschel, M. A326 (1993) 304
Schubert, D., see Schmidt, B. A326 (1993) 21
Schüll, D., see Gobbi, A. A324 (1993) 156
Schulte, R., see Grässler, H. A323 (1992) 401
Schultz, G., see Albee, M. A325 (1993) 429
Schultz, J., see Becker-Szendy, R. A324 (1993) 363
Schulz, T., see Fretwurst, E. A326 (1993) 357
Schulz, T., see Anghinolfi, F. A326 (1993) 365
Schumacher, R.A., see Sum, V. A326 (1993) 489

Schunck, J.P., see Fontaine, J.Ch. A326 (1993) 10
Schüth, J., see Alfter, I. A321 (1992) 506
Schütte, J., see Adeva, B. A323 (1992) 109
Schutte, N., see Pearson, J.F. A325 (1993) 578
Schwab, E., see Senger, P. A327 (1993) 393
Schwahn, D., see Albertini, G. A321 (1992) 381
Schwalm, D., see Grieser, M. A328 (1993) 160
Schwalm, D., see von Hahn, R. A328 (1993) 270
Schwandt, F., see EDDA Collaboration A329 (1993) 151
Schwandt, P., see v. Przewoski, B. A328 (1993) 435
Schwarthoff, H., see Faissner, H. A330 (1993) 76
Schwarz, A.S., see Batignani, G. A326 (1993) 183
Schweizer, P., see Pagès, J.L. A321 (1992) 342
Schwemling, P., see Batignani, G. A326 (1993) 183
Schyns, E., see Anassontzis, E.G. A323 (1992) 351
Sciacca, C., see Adeva, B. A323 (1992) 109
Sciamanna, M., see Aubert, B. A321 (1992) 467
Sciamanna, M., see Aubert, B. A325 (1993) 116
Sciamanna, M., see RD3 Collaboration A330 (1993) 405
Sciubba, A., see MACRO Collaboration A324 (1993) 337
Sciulli, F., see Caldwell, A. A321 (1992) 356
Sciulli, F., see Caldwell, A. A330 (1993) 389
Scobel, W., see EDDA Collaboration A329 (1993) 151
Scognetti, T., see Baechler, J. A324 (1993) 449
Scott, I.I., see Adeva, B. A323 (1992) 109
Scott, M.C., see Koohi-Fayeghi, R. A329 (1993) 269
Scuderi, V., see Ciavola, G. A328 (1993) 64
Sculli, J., see DØ Collaboration A324 (1993) 53
Sculli, J., see Aihara, H. A325 (1993) 393
Seeliger, R., F. Beissel and J. Kaulard, Development of a preamplifier for cathode strip readout A323 (1992) 519
Seestrom, S.J., see Triple Collaboration A326 (1993) 549
Seez, C., see Braem, A. A326 (1993) 325
Seez, C., see Bakker, F. A330 (1993) 44
Seguin, N., see Aubert, B. A321 (1992) 467
Seguin, N., see Aubert, B. A325 (1993) 116
Seguin, N., see Chase, R.L. A330 (1993) 228
Seguin, N., see RD3 Collaboration A330 (1993) 405
Séguinot, J., G. Passardi, J. Tischhauser and T. Ypsilantis, Liquid xenon ionization and scintillation. Studies for a totally active-vector electromagnetic calorimeter A323 (1992) 583
Séguinot, J., see French, M. A324 (1993) 511
Sehl, G., see Roderburg, E. A323 (1992) 140
Sehl, G., see Dahmen, M. A323 (1992) 542
Seidel, F., see Becks, K.H. A329 (1993) 501
Seidel, S., see Becker-Szendy, R. A324 (1993) 363
Seidel, W., see Lindblad, Th. A324 (1993) 263
Seidl, W., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Seidl, W., see Braem, A. A326 (1993) 325
Seidl, W., see Vuillemin, V. A327 (1993) 44
Seifert, R.J., see Chaves, H. A329 (1993) 243
Seiler, P.G., see Adeva, B. A323 (1992) 109
Seiler, P.G., see Fabbretti, R. A323 (1992) 505
Selen, M., see Alexander, J.P. A326 (1993) 243
Selen, M.A., see Atiya, M.S. A321 (1992) 129
Seleznev, V.S., see Kurochkin, I.A. A329 (1993) 367
Seligman, S., see Axen, D. A328 (1993) 472
Seliverstov, D.M., A.I. Shchetkovsky and V.V. Yanovsky, Radiation damage of a barium fluoride scintillator induced with 1 GeV proton irradiation (*Letter to the Editor*) A324 (1993) 609
Selldén, B., see Appelquist, G. A327 (1993) 489
Seller, P., see Allport, P.P. A324 (1993) 34
Seller, P., see Munday, D. A326 (1993) 100

Seller, P., see Brenner, R. ... A326 (1993) 189
Seller, P., see Bingefors, N. ... A328 (1993) 447
Seller, P.H., see Beaumont, S.P. ... A321 (1992) 172
Seller, P.H., see Beaumont, S.P. ... A322 (1992) 472
Seller, P.H., see Beaumont, S.P. ... A326 (1993) 313
Sellin, P.J., see Davis, N.J. ... A330 (1993) 165
Selove, W., see DØ Collaboration ... A324 (1993) 53
Sembroski, G., see Levin, D.S. ... A322 (1992) 101
Semprini-Cesari, N., see Affatato, S. ... A325 (1993) 417
Sena, J., see Stanislaus, S. ... A323 (1992) 198
Senger, P., W. Ahner, P. Baltes, P. Beckerle, Ch. Bormann, D. Brill, M. Cieślak, E. Grosse, W. Henning, P. Koczoń, B. Kohlmeyer, W. Konrad, D. Miśkowiec, Ch. Müntz, H. Oeschler, H. Pöppl, W. Prokopowicz, F. Pühlhofer, S. Sartorius, R. Schicker, B. Schlei, E. Schwab, Y. Shin, J. Speer, J. Stein, K. Stiebing, R. Stock, H. Ströbele, Ch. Sturm, K. Völkel, A. Wagner and W. Waluś, The kaon spectrometer at SIS ... A327 (1993) 393
Sensolini, G., see Anzivino, G. ... A329 (1993) 521
Seo, T., New method for the centroid-shift analysis of picosecond lifetime measurements using BaF_2 scintillators ... A325 (1993) 176
Serbo, V.V., see Aulchenko, V.M. ... A326 (1993) 120
Serebrov, A.P., see Alfimenkov, V.P. ... A324 (1993) 496
Seres, Z., see Gobbi, A. ... A324 (1993) 156
Sergeev, V.A., see Chmill, V.B. ... A326 (1993) 310
Sergiampietri, F., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Serra Lugaresi, P., see MACRO Collaboration ... A324 (1993) 337
Serwazi, M., see Detemple, P. ... A321 (1992) 479
Settles, R., see Batignani, G. ... A326 (1993) 183
Severi, M., see MACRO Collaboration ... A324 (1993) 337
Seward, P., see Axen, D. ... A328 (1993) 472
Seywerd, H., see Batignani, G. ... A326 (1993) 183
Shaevitz, M.H., see Axen, D. ... A328 (1993) 472
Shah, A.R., see Anzivino, G. ... A329 (1993) 521
Shah, K.S., see Lund, J.C. ... A322 (1992) 464
Shah, K.S., see Zhang, J. ... A322 (1992) 499
Shah, K.S., see Olschner, F. ... A322 (1992) 504
Shah, K.S., L.P. Moy, J. Zhang, F. Olschner, J.C. Lund and M.R. Squillante, $HgBr_xT_{2-x}$ photodetectors for use in scintillation spectroscopy ... A322 (1992) 509
Shamov, A.G., see Baru, S.E. ... A323 (1992) 151
Shani, G., see German, U. ... A321 (1992) 291
Shankar, K., see Beaumont, S.P. ... A321 (1992) 172
Shappirio, M., see Beretvas, A. ... A329 (1993) 50
Sharapa, A.N., Efficiency of an electrostatic barrier in an electron beam energy recuperator ... A329 (1993) 551
Sharif, D., see Nagarkar, V. ... A322 (1992) 623
Sharma, A. and F. Sauli, A measurement of the first Townsend coefficient in argon based mixtures at high fields ... A323 (1992) 280
Sharma, D.P., see Ye, Z. ... A329 (1993) 140
Sharma, K.S., see Hykawy, J.G. ... A329 (1993) 423
Sharma, K.S., see Sidky, M.H. ... A330 (1993) 195
Sharma, S., see Berman, L.E. ... A321 (1992) 617
Sharma, V., see Batignani, G. ... A326 (1993) 183
Sharp, P.H., see Beaumont, S.P. ... A321 (1992) 172
Sharp, P.H., see Beaumont, S.P. ... A322 (1992) 472
Shaw, N.M., see Ueno, K. ... A323 (1992) 601
Shaw, R., see Allport, P.P. ... A324 (1993) 34
Shchetkovsky, A.I., see Seliverstov, D.M. ... A324 (1993) 609
Sheinkman, V., see Chen, M. ... A327 (1993) 187
Shekhtman, L.I., see Babichev, E.A. ... A323 (1992) 49
Shekhtman, L.I., see Bouclier, R. ... A323 (1992) 240
Shekhtman, L.I., see Minakov, G.D. ... A326 (1993) 566
Sheldon, B.J., see Cousins, C.S.G. ... A324 (1993) 598
Sheng Dingzhong, see Xu Zizong ... A322 (1992) 239
Shenhav, N.J., The bridge method for measuring the wire tension of multiwire chambers ... A324 (1993) 551

Shepard, K.W., see Bollinger, L.M. ... A328 (1993) 221
Shepard, P.F., see Laakso, M. ... A326 (1993) 214
Shepard, P.F., see Laakso, M. ... A327 (1993) 517
Shephard, W.D., see Frabetti, P.L. ... A329 (1993) 62
Sherden, D., see Axen, D. ... A328 (1993) 472
Shershukov, V.M., see Britvich, G.I. ... A326 (1993) 483
Sherwood, P., see Baines, J.T.M. ... A325 (1993) 271
Shi, Z., see Anzivino, G. ... A329 (1993) 521
Shi Caoshu, see Xu Zizong ... A322 (1992) 239
Shibamura, E., see Hasegawa, Y. ... A327 (1993) 57
Shibamura, E., Energy resolution in liquid Ar or Xe ionization chamber doped with photo-ionizing molecules ... A327 (1993) 124
Shibamura, E., see Chen, M. ... A327 (1993) 187
Shibata, E.I., see Abbott, B. ... A327 (1993) 319
Shibata, H., see Yoshida, Y. ... A327 (1993) 41
Shibata, H., Y. Yoshida, S. Tagawa, Y. Aoki and H. Namba, Ion beam pulse radiolysis studies on liquid scintillators ... A327 (1993) 53
Shibata, H., see Nakanishi, H. ... A328 (1993) 596
Shibata, K., see Inoue, K. ... A327 (1993) 433
Shibata, M., see Ishii, T. ... A328 (1993) 231
Shibata, S., see Yamadera, A. ... A329 (1993) 188
Shibata, T., see Lee, L. ... A327 (1993) 287
Shibata, T.-A., see Düren, M. ... A322 (1992) 13
Shih, H.-J., see Newberger, B.S. ... A325 (1993) 9
Shima, K., see Nagashima, Y. ... A328 (1993) 338
Shima, T., see Kudomi, N. ... A322 (1992) 53
Shimizu, S., see Fuwa, K. ... A328 (1993) 592
Shimizu, T., see Da Via, C. ... A323 (1992) 419
Shimizu, T., see D'Ambrosio, C. ... A325 (1993) 161
Shimozawa, K., see Uno, S. ... A330 (1993) 55
Shin, Y., see Senger, P. ... A327 (1993) 393
Shinas, M.A., see Yuan, V.W. ... A329 (1993) 381
Shinji, O., see Da Via, C. ... A323 (1992) 419
Shinji, O., see D'Ambrosio, C. ... A325 (1993) 161
Shino, T., see Hasebe, N. ... A325 (1993) 335
Shinsaka, K. and Y. Hatano, Electron–ion recombination in condensed nonpolar media ... A327 (1993) 7
Shinsaka, K., Y. Nakamura, K. Endou, K. Honda, H. Yamada, K. Isoda, M. Ukai, N. Kouchi and Y. Hatano, Free-ion yields, electron mobilities, and electron–ion recombination coefficients in liquid tetramethylsilane ... A327 (1993) 15
Shirai, T., M. Inoue, Y. Iwashita, A. Noda, H. Takekoshi and S. Tsuruoka, High power circulator for the 433.3 MHz proton linac ... A321 (1992) 429
Shirkov, G., Fundamental processes determining the highly charged ion production in ECR ion sources ... A322 (1992) 161
Shkurenkov, A., see DØ Collaboration ... A324 (1993) 53
Shoemaker, F.C., see Atiya, M.S. ... A321 (1992) 129
Shoji, T., H. Onabe and Y. Hiratate, Evaluation of CdTe(Cl) crystal growth with THM and application to a multichannel detector ... A322 (1992) 324
Shotkin, S., see Chen, M. ... A327 (1993) 187
Shotter, A.C., see Davis, N.J. ... A330 (1993) 165
Shukla, S., see Frabetti, P.L. ... A329 (1993) 62
Shumakov, A.V., see Alimov, A.S. ... A326 (1993) 391
Shuman, D.B., see Aihara, H. ... A325 (1993) 393
Shupe, M., see DØ Collaboration ... A324 (1993) 53
Shupe, M., see Aihara, H. ... A325 (1993) 393
Shuping, Z., see Bruyndonckx, P. ... A323 (1992) 54
Shusharo, A.I., see Baru, S.E. ... A323 (1992) 151
Shutt, T., P.D. Barnes, Jr., A. Cummings, A. DaSilva, B. Ellman, J. Emes, Y. Giraud-Heraud, E.E. Haller, A.E. Lange, R.R. Ross, B. Sadoulet, G. Smith, C. Stubbs, W. Stockwell, N. Wang, S. White, B.A. Young and D. Yvon, A cryogenic detector with simultaneous phonon and ionization measurement for background rejection ... A326 (1993) 166
Shuvalov, R., see Akopyan, M. ... A330 (1993) 465
Shuvalov, R.S., see Krasnokutsky, R.N. ... A322 (1992) 34
Shuvalov, R.S., see Chen, M. ... A327 (1993) 187
Shvedunov, V.I., see Alimov, A.S. ... A326 (1993) 391

Shvedunov, V.I., see Alimov, A.S. ... A328 (1993) 385
Shvetsov, V.N., see Alfimenkov, V.P. ... A324 (1993) 496
Shypit, R., see Baines, J.T.M. ... A325 (1993) 271
Si Houzhi, Zhang Weizhong, Zhu Jinhau, Du Guangtian, Zhang Tiaorong and Gao Xiang, A modified high-intensity Cs sputter negative-ion source with multi-target mechanism ... A328 (1993) 207
Sida, J.L., see Bellia, G. ... A329 (1993) 173
Siddons, D.P., see Berman, L.E. ... A329 (1993) 555
Sidiropoulos, K., see Crystal Barrel Collaboration ... A321 (1992) 69
Sidky, M.H., J.G. Hykawy, G.R. Dyck, B.J. Hall, R.C. Barber, K.S. Sharma, C.A. Lander and H.E. Duckworth, Precise atomic mass differences in Pb and Tl and the decay energy for ^{205}Pb ... A330 (1993) 195
Sidorov, S.E., see Baranov, V.T. ... A328 (1993) 413
Siebert, H.-W., see Beusch, W. ... A323 (1992) 373
Siegbahn, K., (*Book review*: Photoemission and absorption spectroscopy of solids and interfaces with synchrotron radiation, edited by M. Campagna) ... A321 (1992) 632
Siegmund, T., see Cindro, V. ... A323 (1992) 314
Sievers, A.J., see Blum, E.B. ... A321 (1992) 415
Siffert, P., see Hage-Ali, M. ... A322 (1992) 313
Siffert, P., see Mergui, S. ... A322 (1992) 375
Siffert, P., see Mergui, S. ... A322 (1992) 381
Siffert, P., see Richter, M. ... A322 (1992) 529
Siffert, P., see Fontaine, J.Ch. ... A326 (1993) 10
Sikora, B., see Gobbi, A. ... A324 (1993) 156
Sikora, J., see Rubin, D.L. ... A330 (1993) 12
Silaev, S., Isoparametric finite element analysis of time-harmonic electromagnetic fields in three dimensions ... A328 (1993) 535
Silari, M., see Birattari, C. ... A324 (1993) 232
Silberman, E., see Burger, A. ... A322 (1992) 427
Silveira Gomes, P.R., see Bellia, G. ... A329 (1993) 173
Silvestri, S., see Frontera, F. ... A324 (1993) 589
Silvestrini, V., see MINI Collaboration ... A324 (1993) 330
Simion, V., see Gobbi, A. ... A324 (1993) 156
Simoen, E. and C. Claeys, The low-frequency noise behaviour at room temperature and at 77 K of pMOSTs fabricated on high-resistivity silicon substrates ... A327 (1993) 523
Simon, A.J., see Supek, I. ... A324 (1993) 19
Simon, D., see Forker, M. ... A327 (1993) 456
Simon, R.S., see Matulewicz, T. ... A325 (1993) 216
Simon-Gillo, J., see Sullivan, J.P. ... A324 (1993) 441
Simpson, J.J., see Jagam, P. ... A324 (1993) 389
Sims, A.J., see Sims, M.R. ... A329 (1993) 329
Sims, M.R., A.J. Sims, R.D. Bentley, P.R. Guttridge and J.A. Gourlay, Measured single event upset rates in low earth orbit for the ROSAT Wide Field Camera ... A329 (1993) 329
Sinclair, C.K., see Engwall, D.A. ... A324 (1993) 409
Sinclair, D., see Becker-Szendy, R. ... A324 (1993) 363
Singh, P., see Allport, P.P. ... A324 (1993) 34
Singh, P., see Laakso, M. ... A326 (1993) 214
Singh, P., see Laakso, M. ... A327 (1993) 517
Singh, V., see Mélèse, P. ... A322 (1992) 189
Sinnis, C., see Alexandreas, D.E. ... A328 (1993) 570
Sippach, W., see Caldwell, A. ... A321 (1992) 356
Sippach, W., see Caldwell, A. ... A330 (1993) 389
Sireteanu, T., see Marinescu, L. ... A328 (1993) 90
Siroli, G.P., see Baines, J.T.M. ... A325 (1993) 271
Sitta, M., see MACRO Collaboration ... A324 (1993) 337
Sjöstrand, N.G. (*Book review:* Fundamental properties of the neutron, by Yu.A. Alexandrov) ... A325 (1993) 370
Skarpaas, K., see Axen, D. ... A328 (1993) 472
Skillicorn, I.O., see Beaumont, S.P. ... A321 (1992) 172
Skillikorn, I.O., see Beaumont, S.P. ... A322 (1992) 472
Skillicorn, I.O., see EHIT Collaboration ... A323 (1992) 407
Skillikorn, I.O., see Beaumont, S.P. ... A326 (1993) 313
Skinner, D., see Barberis, E. ... A326 (1993) 373
Skjevling, G., see Bugge, L. ... A327 (1993) 296
Skog, G., see Dymnikov, A. ... A328 (1993) 164

Skopik, D.M., see Cairns, E.B. A321 (1992) 109
Skopik, D.M., see Vogt, J.M. A324 (1993) 198
Skripkina, V.T., see Britvich, G.I. A326 (1993) 483
Skulski, W., see Colonna, N. A321 (1992) 529
Slavatinsky, S.A., see Danilova, T.V. A323 (1992) 104
Sloan, T., see Beaumont, S.P. A321 (1992) 172
Sloan, T., see Beaumont, S.P. A322 (1992) 472
Sloan, T., see Beaumont, S.P. A326 (1993) 313
Sloan, T., see Pollock, R.E. A330 (1993) 27
Sloan, T., see Pollock, R.E. A330 (1993) 380
Smart, W., see DØ Collaboration A324 (1993) 53
Smathers, J., see Albee, M. A325 (1993) 429
Smith, A., see Brenner, R. A326 (1993) 189
Smith, A.J.S., see Atiya, M.S. A321 (1992) 129
Smith, D., see DØ Collaboration A324 (1993) 53
Smith, G., see Shutt, T. A326 (1993) 166
Smith, G., see Abbott, B. A327 (1993) 319
Smith, G.C., B. Yu, J. Fischer, V. Radeka and J.A. Harder, High rate, high resolution, two-dimensional gas proportional detectors for X-ray synchrotron radiation experiments A323 (1992) 78
Smith, G.C., see Yu, B. A323 (1992) 413
Smith, G.R., see Hofman, G.J. A325 (1993) 384
Smith, K., see Sumner, T.J. A322 (1992) 514
Smith, K.M., see Beaumont, S.P. A321 (1992) 172
Smith, K.M., see Beaumont, S.P. A322 (1992) 472
Smith, K.M., see Beaumont, S.P. A326 (1993) 313
Smith, N.A., see Bingefors, N. A328 (1993) 447
Smith, R.P., see DØ Collaboration A324 (1993) 53
Smith, R.P., see Aihara, H. A325 (1993) 393
Smith, S., see Axen, D. A328 (1993) 472
Smith, T.J., see Charlton, D.G. A325 (1993) 129
Smith, T.J., see Baines, J.T.M. A325 (1993) 271
Smith, W., see Caldwell, A. A321 (1992) 356
Smith, W.H., see Panescu, D. A330 (1993) 475
Smol, A.V., see Chmill, V.B. A326 (1993) 310
Smolyankin, S., see Gobbi, A. A324 (1993) 156
Snellings, R.J.M., see Bootsma, T.M.V. A324 (1993) 399
Snoeys, W., J. Plummer, G. Rosseel, C.H. Aw, C. Kenney and S. Parker, First beam test results from a monolithic silicon pixel detector A326 (1993) 144
Snopkov, I.G., see Anashkin, E.V. A323 (1992) 178
Snow, G.R., see DØ Collaboration A324 (1993) 53
Sobel, H.W., see Becker-Szendy, R. A324 (1993) 363
Sobie, R., see Astbury, A. A324 (1993) 461
Sobie, R., see Baines, J.T.M. A325 (1993) 271
Sobie, R., see Poffenberger, P.R. A327 (1993) 99
Sobie, R., see Axen, D. A328 (1993) 472
Sobolev, B.P., see Britvich, G.I. A321 (1992) 64
Sobolev, B.P., see Antipov, A.V. A327 (1993) 346
Sobolewski, Z., see Alexander, J.P. A326 (1993) 243
Sobotka, L.G., see Hua, P.-F. A330 (1993) 121
Sodan, U., see Gobbi, A. A324 (1993) 156
Söder, W., see Cindro, V. A323 (1992) 314
Soderqvist, J., see Aubert, B. A321 (1992) 467
Soderqvist, J., see Aubert, B. A325 (1993) 116
Soderqvist, J., see RD3 Collaboration A330 (1993) 405
Sokolov, S.V., see Asseev, A.A. A324 (1993) 31
Sokolowski, J.S., see Fortuna, G. A328 (1993) 236
Sokolowski, J.S., see Facco, A. A328 (1993) 275
Sokolowski, J.S., see Palmieri, V. A328 (1993) 280
Solé, V.A., B. Denecke, G. Grosse and W. Bambynek, Measurement of the K-shell fluorescence yield of Ca and K with a windowless Si(Li) detector A329 (1993) 418

Soler, P. and Z.H. Wang, Optical properties of wavelength shifting panels A324 (1993) 482
Solodov, E.P., see Anashkin, E.V. A323 (1992) 178
Solomon, J., see Abbott, B. A327 (1993) 319
Soloviev, V.S., see Dudchik, Yu.I. A325 (1993) 343
Solovjanov, V.L., see Baryshevsky, V.G. A322 (1992) 231
Soluk, R., see Atiya, M.S. A321 (1992) 129
Solyanik, V., see Pommot Maia, M. A326 (1993) 496
Sommer, W.F., see Barberis, E. A326 (1993) 373
Sondheim, W.E., see Sullivan, J.P. A324 (1993) 441
Sondheim, W.E., see Barberis, E. A326 (1993) 373
Sood, R.K., see Ye, Z. A329 (1993) 140
Sormani, Ph., see Ball, J. A327 (1993) 308
Soroko, Z.N., see Syromyatnikov, V.G. A324 (1993) 401
Sortais, P., see Bourgarel, M.P. A328 (1993) 321
Sosnovtsev, V., see Chernyatin, V. A325 (1993) 441
Sosnovtsev, V., see Bondarenko, V. A327 (1993) 386
Soso, L., see Hasegawa, Y. A327 (1993) 57
Sotnikov, M.A., see Alimov, A.S. A326 (1993) 391
Sotthibandhu, S., see Gill, K. A322 (1992) 177
Soukup, J., see Cairns, E.B. A321 (1992) 109
Sowinski, J., see Ross, M.A. A326 (1993) 424
Spadaccini, G., see Grassi, D. A322 (1992) 449
Spadafora, A.L., see DØ Collaboration A324 (1993) 53
Spadafora, A.L., see Aihara, H. A325 (1993) 393
Spallone, A., see Frabetti, P.L. A329 (1993) 62
Spamer, E., see Stascheck, A. A321 (1992) 13
Spandre, G., see Angelini, F. A323 (1992) 229
Spangler, C.W., see Bross, A.D. A325 (1993) 168
Spanier, S., see Crystal Barrel Collaboration A321 (1992) 69
Spataro, C., see Pile, P.H. A321 (1992) 48
Specht, H.J., see Chen, W. A326 (1993) 273
Spector, G.B., T. McCollum and A.R. Spowart, Advances in terbium-doped, lithium-loaded scintillator glass development A326 (1993) 526
Spector, G.B., T. McCollum and A.R. Spowart, Improved terbium-doped, lithium-loaded glass scintillator fibers A329 (1993) 223
Speer, J., see Senger, P. A327 (1993) 393
Sperisen, F., see Ross, M.A. A326 (1993) 424
Sperisen, F., see v. Przewoski, B. A328 (1993) 435
Sperisen, F., see Pollock, R.E. A330 (1993) 380
Speziali, V., see Buttler, W. A326 (1993) 63
Speziali, V., see Radeka, V. A326 (1993) 77
Speziali, V., see Aulchenko, V.M. A327 (1993) 193
Spighi, R., see Affatato, S. A325 (1993) 417
Spinelli, P., see Bellotti, R. A323 (1992) 71
Spinelli, P., see MACRO Collaboration A324 (1993) 337
Spinetti, M., see MACRO Collaboration A324 (1993) 337
Spinka, H., see Supek, I. A324 (1993) 19
Spinka, H., see Ball, J. A327 (1993) 308
Spiridonov, A.A., see Anykeyev, V.B. A322 (1992) 280
Spowart, A.R., see Spector, G.B. A326 (1993) 526
Spowart, A.R., see Spector, G.B. A329 (1993) 223
Sprakelaar, G.J.v., see Wouters, S.E. A326 (1993) 299
Springer, R.W., see Baines, J.T.M. A325 (1993) 271
Sprute, L., see EDDA Collaboration A329 (1993) 151
Spurio, M., see MACRO Collaboration A324 (1993) 337
Squillante, M., see Nagarkar, V. A322 (1992) 623
Squillante, M.R., see Lund, J.C. A322 (1992) 464
Squillante, M.R., see Zhang, J. A322 (1992) 499
Squillante, M.R., see Olschner, F. A322 (1992) 504
Squillante, M.R., see Shah, K.S. A322 (1992) 509
Squillante, M.R. and G. Entine, New applications of CdTe nuclear detectors A322 (1992) 569

Stadler, B., see Brecht, D. A323 (1992) 60
Stagni, L., see Aulchenko, V.M. A327 (1993) 193
Stagno, V., see Bellotti, R. A323 (1992) 71
Stagno, V., see Brautti, G. A328 (1993) 59
Stähelin, P., see CHARM-II Collaboration A325 (1993) 92
Stalio, R., A. Bucconi, P. Trampus, F. Visintini, F.D. Carlo and A. Antonini, A calibration bench for electro-optical characterization of CCD sensors A326 (1993) 150
Stamm, W., K. Sauerland and N. Müller, A low cost high-voltage controller for photomultiplier tubes *(Letter to the Editor)* A328 (1993) 601
Stampfer, M., see von Hahn, R. A328 (1993) 270
Stanislaus, S., V. Armijo, J.K. Black, R.D. Bolton, S. Carius, M.D. Cooper, C. Espinoza, G. Hart, G. Hogan, A. Gonzales, R.E. Mischke, L.E. Piilonen, J. Sandoval, S. Schilling, J. Sena, G. Suazo, J.J. Szymanski, D.A. Whitehouse, C.A. Wilkinson, R. Fisk, D.D. Koetke, R.W. Manweiler and C.C. Jui, Results from beam tests of MEGA's low-mass, high-rate cylindrical MWPCs A323 (1992) 198
Stanovnik, A., see Starič, M. A323 (1992) 91
Stanovnik, A., see Starič, M. A323 (1992) 457
Stanton, M., see Li, Y. A322 (1992) 116
Stanton, M., Area detector design. Part I. Formulation of design criteria and application to X-ray crystallography A325 (1993) 550
Stanton, M., W.C. Phillips, D. O'Mara, I. Naday and E. Westbrook, Area detector design. Part II, application to a modular CCD-based detector for X-ray crystallography A325 (1993) 558
Stapor, W.J., see Harihar, P. A322 (1992) 40
Starič, M., S. Korpar, D. Korbar and A. Stanovnik, A thin multiwire proportional chamber for imaging with UV light, X-rays and gamma rays A323 (1992) 91
Starič, M., D. Brajnik, V. Cindro, S. Korpar, P. Križan and A. Stanovnik, Study of CsI photocathodes in a multiwire chamber A323 (1992) 457
Stark, S.Yu., see Palmieri, V. A328 (1993) 280
Stascheck, A., H.-D. Gräf, A. Richter, T. Rietdorf, E. Spamer, E. Bär and H. Wipf, Observation and cure of severe Q-degradation of superconducting niobium cavities A321 (1992) 13
Staubert, R., see Pinotti, E. A326 (1993) 85
Staubert, R., see Bräuninger, H. A326 (1993) 126
Staude, A., see Crystal Barrel Collaboration A321 (1992) 69
Staude, A., see CHARM-II Collaboration A325 (1993) 92
Staun Olsen, J., see Cousins, C.S.G. A324 (1993) 598
Stavropoulos, G., see Anassontzis, E.G. A323 (1992) 351
Steele, J., see MACRO Collaboration A324 (1993) 337
Stefanini, A., see Conti, M. A322 (1992) 591
Stefanini, G., see Bähr, J. A324 (1993) 145
Steffens, E., see Düren, M. A322 (1992) 13
Steffens, E., see Barber, D.P. A329 (1993) 79
Steffens, E., see Stenger, J. A330 (1993) 21
Steffens, K., see Berger, F. A321 (1992) 152
Steffens, K.-H., H.G. andresen, J. Blume-Werry, F. Klein, K. Aulenbacher and E. Reichert, A spin rotator for producing a longitudinally polarized electron beam with MAMI A325 (1993) 378
Stein, H., see EDDA Collaboration A329 (1993) 151
Stein, J., see Senger, P. A327 (1993) 393
Steinberg, R., see MACRO Collaboration A324 (1993) 337
Steiner, R.V., see Axen, D. A328 (1993) 472
Steiner, V., see Chen, W. A326 (1993) 273
Steinert, L., see Dewald, A. A328 (1993) 104
Steinkamp, O., see Roderburg, E. A323 (1992) 140
Steinkamp, O., see Dahmen, M. A323 (1992) 542
Stekhanov, V.N., see Barabash, A.S. A327 (1993) 168
Stenger, J., E. Steffens and K. Zapfe, A compact polarization monitor for thermal beams of polarized hydrogen A330 (1993) 21
Stephani, D., see Aubert, B. A321 (1992) 467
Stephani, D., see Aubert, B. A325 (1993) 116
Stephani, D., see RD3 Collaboration A330 (1993) 405
Stephen, J.B., see Caroli, E. A322 (1992) 639
Stephen, J.B., see Baldazzi, G. A322 (1992) 644
Stephen, J.B., see Baldazzi, G. A326 (1993) 319

Stephens, R., see DØ Collaboration ... A324 (1993) 53
Stephenson, E.J., see Wells, S.P. ... A325 (1993) 205
Stern, I., see Nagarkar, V. ... A322 (1992) 623
Stevens, A.J., see Atiya, M.S. ... A321 (1992) 129
Stevens, R., see Munday, D. ... A326 (1993) 100
Stevenson, M.L., see DØ Collaboration ... A324 (1993) 53
Stevenson, M.L., see Aihara, H. ... A325 (1993) 393
Stewart, C., see DØ Collaboration ... A324 (1993) 53
Stewart, D., see Aihara, H. ... A325 (1993) 393
Stiebing, K., see Senger, P. ... A327 (1993) 393
Stocchi, A., see Bingefors, N. ... A328 (1993) 447
Stock, F., see Düren, M. ... A322 (1992) 13
Stock, R., see Baechler, J. ... A324 (1993) 449
Stock, R., see Senger, P. ... A327 (1993) 393
Stocker, F., see DØ Collaboration ... A324 (1993) 53
Stockwell, W., see Shutt, T. ... A326 (1993) 166
Stojanoff, V., see Berman, L.E. ... A329 (1993) 555
Stone, J.L., see MACRO Collaboration ... A324 (1993) 337
Stone, J.L., see Becker-Szendy, R. ... A324 (1993) 363
Stopczyński, A.R., see Kowalski, T.Z. ... A323 (1992) 289
Storm, D.W., Review of superconducting booster linacs ... A328 (1993) 213
Stoyanova, D., see DØ Collaboration ... A324 (1993) 53
Strand, R.C., see Atiya, M.S. ... A321 (1992) 129
Strange, W.P., see Howard, A.J. ... A325 (1993) 224
Strassburger, Chr., see Crystal Barrel Collaboration ... A321 (1992) 69
Stratmann, R., see Roderburg, E. ... A323 (1992) 140
Stratmann, R., see Dahmen, M. ... A323 (1992) 542
Strauch, K., see Adeva, B. ... A323 (1992) 109
Straumann, U., see Eichenberger, S. ... A323 (1992) 532
Straumann, U., see Wolff, Th. ... A323 (1992) 537
Straver, J., see Brenner, R. ... A326 (1993) 189
Straver, J., see Brenner, R. ... A326 (1993) 198
Straver, J., see Bingefors, N. ... A328 (1993) 447
Streets, K., see DØ Collaboration ... A324 (1993) 53
Streets, K., see Aihara, H. ... A325 (1993) 393
Streli, C., see Rieder, R. ... A327 (1993) 594
Strelkov, A.V., see Alfimenkov, V.P. ... A324 (1993) 496
Streubel, G., J. Reinhard, B. Hahn and K. Kadner, MOS neutron sensor systems and their possible applications to neutron field investigations ... A322 (1992) 57
Striebig, J., see Braem, A. ... A326 (1993) 325
Striganov, S.I., Ionization straggling of high energy muons in thick absorbers ... A322 (1992) 225
Ströbele, H., see Senger, P. ... A327 (1993) 393
Strohbusch, U., see Crystal Barrel Collaboration ... A321 (1992) 69
Stroke, H.H., see Duong, H.T. ... A325 (1993) 465
Strolin, P., see CHARM-II Collaboration ... A325 (1993) 92
Strom, D., see Baines, J.T.M. ... A325 (1993) 271
Strom, D., see Hobbs, J.D. ... A325 (1993) 494
Strovink, M., see DØ Collaboration ... A324 (1993) 53
Strub, R., see Anassontzis, E.G. ... A323 (1992) 351
Struczinski, W., see Bailey, J.M. ... A323 (1992) 184
Struczinski, W., see Grässler, H. ... A323 (1992) 401
Strüder, L., see Bischoff, A. ... A326 (1993) 27
Strüder, L., see Pinotti, E. ... A326 (1993) 85
Strüder, L., see Bräuninger, H. ... A326 (1993) 126
Strüder, L., see Batignani, G. ... A326 (1993) 183
Strüder, L., see Lechner, P. ... A326 (1993) 284
Stubbs, C., see Shutt, T. ... A326 (1993) 166
Stüken, D., see Berger, F. ... A321 (1992) 152
Sturm, Ch., see Senger, P. ... A327 (1993) 393
Stutte, L., see Pommot Maia, M. ... A326 (1993) 496
Suazo, G., see Stanislaus, S. ... A323 (1992) 198

Subbotin, B.V., see Danilova, T.V. A323 (1992) 104
Suekane, F., see Hasegawa, Y. A327 (1993) 57
Suekane, F., see Masuda, K. A327 (1993) 134
Suffert, M., see Crystal Barrel Collaboration A321 (1992) 69
Suffert, M., Silicon photodiode readout of scintillators and associated electronics A322 (1992) 523
Sugai, I., M. Aratani, M. Yanokura, H. Kato and T. Watanabe, A new technique for the preparation of very high purity enriched ^{100}Mo disk targets A329 (1993) 46
Sugimoto, S., see Chen, M. A327 (1993) 187
Sugimoto, S., see Kobayashi, M. A328 (1993) 501
Sugiyama, A., see Uno, S. A330 (1993) 55
Suhanov, A., see DØ Collaboration A324 (1993) 53
Sulak, L.R., see MACRO Collaboration A324 (1993) 337
Sulak, L.R., see Becker-Szendy, R. A324 (1993) 363
Sulanke, K., see Bähr, J. A324 (1993) 145
Sullivan, J.P., M.W. Rawool-Sullivan, J.G. Boissevain, D. Fox, A. Gavron, K. Holzscheiter, B.V. Jacak, J. Simon-Gillo, W.E. Sondheim, H. van Hecke, B. Wolf and K.L. Wolf, Response of a sampling calorimeter to low energy pions, muons, and positrons A324 (1993) 441
Sum, V., A.R. Berdoz, C.A. Davis, S.A. Page, W.D. Ramsay, W.T.H. van Oers, R.A. Schumacher, V.J. Zeps, D.R. Gill, T. Iijima, K. Okada and F. Takeutchi, A Time-of-flight array for 1 to 2 GeV/c particles A326 (1993) 489
Sumiyoshi, T., see Yamada, Y. A330 (1993) 64
Summers, D., see Beretvas, A. A329 (1993) 50
Summers, D.J., see Amato, S. A324 (1993) 535
Sumner, T.J., S.M. Grant, A. Bewick, J.P. Li, K. Smith and S.P. Beaumont, GaAs revisited as a room temperature X-ray detector A322 (1992) 514
Sumorok, K., see Chen, M. A327 (1993) 187
Sumorok, S., see Ishida, N. A327 (1993) 152
Sun, Y., see Anzivino, G. A329 (1993) 521
Sun ChongWen, see Iori, I. A325 (1993) 458
Sun Guangkui see Deng Yusheng A328 (1993) 101
Sundell, E., see Bingefors, N. A328 (1993) 447
Suomijärvi, T., see Bellia, G. A329 (1993) 173
Supek, I., M.W. McNaughton, K. Koch, N. Tanaka, R.D. Ransome, D.A. Ambrose, K.H. McNaughton, P.J. Riley, G. Glass, J. Hiebert, L. Northcliffe, A.J. Simon, D.L. Adams, R. Jeppesen, H. Spinka and G. Tripard, Quick polarization analyzer (QPAN) A324 (1993) 19
Supper, R., see Engler, J. A327 (1993) 128
Surdo, A., see MACRO Collaboration A324 (1993) 337
Surma, I.V., see Alimov, A.S. A326 (1993) 391
Sushkov, V., see Chen, M. A327 (1993) 187
Sushkov, V., see Akopyan, M. A330 (1993) 465
Sushkov, V.V., see Krasnokutsky, R.N. A322 (1992) 34
Sushkov, V.V., see Akimov, D.Yu. A327 (1993) 155
Suslin, V.V., see Sustavov, A.F. A323 (1992) 157
Sustavov, A.F., V.I. Baranov, V.A. Danilov, V.I. Kovinski, S.A. Korobko, O.O. Patarakin and V.V. Suslin, The AMPIR spectrometer drift chamber A323 (1992) 157
Sutton, C., see Crystal Barrel Collaboration A321 (1992) 69
Suvorov, V., see Adeva, B. A323 (1992) 109
Suzuki, A., see Terunuma, N. A323 (1992) 471
Suzuki, A., M. Mori, K. Kaneyuki, T. Tanimori, J. Takeuchi, H. Kyushima and Y. Ohashi, Improvement of 20 in. diameter photomultiplier tubes A329 (1993) 299
Suzuki, H., see Kichimi, H. A325 (1993) 451
Suzuki, K., see Masuda, K. A327 (1993) 134
Suzuki, M., M. Hishida, J. Ruan(Gen) and S. Kubota, Light output and collected charge in xenon-doped liquid argon A327 (1993) 67
Suzuki, M., see Kubota, S. A327 (1993) 71
Suzuki, M., see Ishida, N. A327 (1993) 152
Suzuki, S., see Benetti, P. A327 (1993) 173
Suzuki, S., see Benetti, P. A327 (1993) 203
Suzuki, S., see Benetti, P. A329 (1993) 361
Suzuki, S., see Uno, S. A330 (1993) 55
Suzuki, T., see Kobayashi, M. A328 (1993) 501
Suzuki, T., see Kobayashi, M. A330 (1993) 115

Svandrlik, M., see D'Auria, G. ... A329 (1993) 393
Sverzelatti, P.P., see Bellotti, E. ... A323 (1992) 125
Svoboda, R., see Becker-Szendy, R. ... A324 (1993) 363
Swordy, S., see Buckley, J. ... A323 (1992) 380
Sydow, L., S. Vohl, S. Lemaitre, P. Nießen, K.R. Nyga, R. Reckenfelderbäumer, G. Rauprich and H. Paetz gen. Schieck, Optimized polarimetry for polarization-transfer experiments with protons and deuterons ... A327 (1993) 441
Syme, D.B., see Adams, J.M. ... A329 (1993) 277
Syromyatnikov, V.G., A.F. Schebetov and Z.N. Soroko, Fe–Al neutron polarizing supermirror on a Si crystal substrate with antireflecting Cd layer (*Letter to the Editor*) ... A324 (1993) 401
Szabó, Gy., see Bartha, L. ... A328 (1993) 86
Szarka, J., see Bellotti, E. ... A323 (1992) 125
Szekely, G., see Lindblad, Th. ... A324 (1993) 263
Szekely, G., see Akkila, T. ... A327 (1993) 573
Székely, G., see Lindblad, T. ... A328 (1993) 603
Szoncso, F., see Bakker, F. ... A330 (1993) 44
Szymanski, J.J., see Stanislaus, S. ... A323 (1992) 198
Szymanski, J.J., see Triple Collaboration ... A326 (1993) 549
Szymkowiak, A.E., see McCammon, D. ... A326 (1993) 154

Tabarelli de Fatis, T., see Bellotti, E. ... A323 (1992) 125
Taccetti, N., see Poggi, G. ... A324 (1993) 177
Tachikawa, E., see Yonezawa, C. ... A329 (1993) 207
Tadsen, A., see CHARM-II Collaboration ... A325 (1993) 92
Tagashira, H., see Sakai, Y. ... A327 (1993) 92
Tagawa, S., see Yoshida, Y. ... A327 (1993) 41
Tagawa, S., see Shibata, H. ... A327 (1993) 53
Tagawa, S., see Nakanishi, H. ... A328 (1993) 596
Tagishi, Y., see Masuda, T. ... A322 (1992) 135
Tagishi, Y., A. Tomizawa, M. Tomizawa and K. Yagi, Analyzing power standard by use of the reaction ^{7}Li(p, α)^{4}He over an incident energy range from 9 to 22 MeV (*Letter to the Editor*) ... A322 (1992) 304
Tagishi, Y., see Fletcher, K.A. ... A329 (1993) 197
Taguchi, T., see Kichimi, H. ... A325 (1993) 451
Taiocchi, G., see Caccia, M. ... A321 (1992) 348
Taiocchi, G.F., see Frontera, F. ... A324 (1993) 589
Tait, D., see Haase, G. ... A329 (1993) 483
Taiuti, M., see Zucchiatti, A. ... A321 (1992) 219
Taiuti, M., see Anghinolfi, M. ... A324 (1993) 191
Tajima, G., see Nagashima, Y. ... A328 (1993) 338
Tajima, H., see Teraoka, K. ... A324 (1993) 276
Tajima, H., see Saito, K. ... A326 (1993) 204
Tajima, H., see Alexander, J.P. ... A326 (1993) 243
Tajima, S., T. Yoshida and S. Kikuchi, Measurements of the negative ion beam emittance for the JAERI tandem accelerator ... A326 (1993) 407
Takahashi, H., see Harada, H. ... A322 (1992) 286
Takahashi, K., see Nagashima, Y. ... A328 (1993) 338
Takahashi, K., see Uno, S. ... A330 (1993) 55
Takahashi, T., see Hasegawa, Y. ... A327 (1993) 57
Takahashi, T., see Ishida, N. ... A327 (1993) 152
Takahashi, T., see Nagashima, Y. ... A328 (1993) 338
Takahashi, T., see Matsumura, A. ... A329 (1993) 227
Takano, S., see Hama, H. ... A329 (1993) 29
Takasaki, F., M. Utsumi, T. Fukui, Y. Narita, N. Hosoda, T. Hirose and M. Chiba, Performance of a lead–scintillation-fiber calorimeter designed as an active beam shield for the VENUS detector ... A322 (1992) 211
Takasaki, M., see Kobayashi, M. ... A328 (1993) 501
Takasaki, M., see Kobayashi, M. ... A330 (1993) 115
Takata, N. and Matiullah, An investigation of the influence of applied voltage on ionization due to electrons in free-air ionization-chambers ... A324 (1993) 226
Takekoshi, H., see Shirai, T. ... A321 (1992) 429
Taketani, A., see DØ Collaboration ... A324 (1993) 53
Takeuchi, J., see Suzuki, A. ... A329 (1993) 299
Takeuchi, S., see Ishii, T. ... A328 (1993) 231

Takeuchi, Y., T. Tanimori and Y. Yasu, Development of a data acquisition system using a RISC/UNIX™ workstation ... A328 (1993) 526
Takeutchi, F., see Sum, V. ... A326 (1993) 489
Takikawa, K., see Apollinari, G. ... A324 (1993) 475
Taldaev, R.R., see Alfimenkov, V.P. ... A324 (1993) 496
Talpo, G., see Colautti, P. ... A321 (1992) 392
Tamura, K., see Tsunemi, H. ... A321 (1992) 629
Tamura, N., see Kichimi, H. ... A325 (1993) 451
Tamura, N., see Yamada, Y. ... A330 (1993) 64
Tanaka, H., see Nakanishi, T. ... A322 (1992) 146
Tanaka, H., see Teraoka, K. ... A324 (1993) 276
Tanaka, H. and T. Nakanishi, Effect of a residual field of a C-shaped bending magnet on a beam in a synchrotron ... A328 (1993) 402
Tanaka, J., see Kudomi, N. ... A322 (1992) 53
Tanaka, K., see Kobayashi, M. ... A328 (1993) 501
Tanaka, K., see Kobayashi, M. ... A330 (1993) 115
Tanaka, M., see Asano, Y. ... A325 (1993) 109
Tanaka, M., see Ikeda, H. ... A330 (1993) 215
Tanaka, M.H., see Gobbi, A. ... A324 (1993) 156
Tanaka, N., see Supek, I. ... A324 (1993) 19
Tanaka, N., see Langenbrunner, J. ... A325 (1993) 187
Tang, K.K., see Buckley, J. ... A323 (1992) 380
Taniguchi, A., see Ikuta, T. ... A323 (1992) 697
Taniguchi, M., see Ueda, Y. ... A330 (1993) 140
Tanimori, T., see Nagae, T. ... A323 (1992) 236
Tanimori, T., see Hasegawa, Y. ... A327 (1993) 57
Tanimori, T., see Takeuchi, Y. ... A328 (1993) 526
Tanimori, T., see Suzuki, A. ... A329 (1993) 299
Tapprogge, S., see Chen, W. ... A326 (1993) 273
Tardy, M.P., see Fougeron, C. ... A328 (1993) 279
Tarlé, G., see Levin, D.S. ... A322 (1992) 101
Tarlé, G., see MACRO Collaboration ... A324 (1993) 337
Tartaglia, M., see DØ Collaboration ... A324 (1993) 53
Tartaglia, M., see Aihara, H. ... A325 (1993) 393
Tartoni, N., see Beaumont, S.P. ... A321 (1992) 172
Tartoni, N., see Beaumont, S.P. ... A322 (1992) 472
Tartoni, N., see Beaumont, S.P. ... A326 (1993) 313
Tatchyn, R., Off-axis field effects on the output spectra of vertically asymmetric adjustable-phase insertion devices ... A322 (1992) 126
Taureg, H., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Taurok, A., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration ... A323 (1992) 393
Tauscher, L., see CPLEAR Collaboration ... A321 (1992) 458
Tavernier, S., see Bruyndonckx, P. ... A323 (1992) 54
Taylor, G., see Batignani, G. ... A326 (1993) 183
Taylor, G., see Anghinolfi, F. ... A326 (1993) 365
Taylor, G.C., see Koohi-Fayeghi, R. ... A329 (1993) 269
Taylor, J.D., see Aihara, H. ... A325 (1993) 393
Taylor, S., see Biagi, S.F. ... A323 (1992) 258
Tayursky, V.A., see Aulchenko, V.M. ... A327 (1993) 193
Tazzioli, A., see MACRO Collaboration ... A324 (1993) 337
Tcherniatine, V., see Bondarenko, V. ... A327 (1993) 386
Tchernyshev, V., see Chen, M. ... A327 (1993) 187
Tecchio, L., see Gong, J.M. ... A328 (1993) 344
Teh, K.M., see Gobbi, A. ... A324 (1993) 156
Teichmann, T., see Lu, M.-S. ... A327 (1993) 544
Teiger, J., see Aubert, B. ... A321 (1992) 467
Teiger, J., see Aubert, B. ... A325 (1993) 116
Teiger, J., see DØ Collaboration ... A324 (1993) 53
Teiger, J., see Munday, D. ... A326 (1993) 100

Teiger, J., see RD3 Collaboration ... A330 (1993) 405
Tejera, R.A., see Becerril, V.A. ... A328 (1993) 512
Ten Have, I., see Beaumont, S.P. ... A321 (1992) 172
ten Have, I., see Beaumont, S.P. ... A322 (1992) 472
ten Have, I., see Beaumont, S.P. ... A326 (1993) 313
Teng, P.K., see Kiang, L.L. ... A327 (1993) 427
Ter-Akopian, G.M., see Andreyev, A.N. ... A330 (1993) 125
Ter-Antonian, S.V., see Danilova, T.V. ... A323 (1992) 104
Teramae, F., see Uno, S. ... A330 (1993) 55
Teraoka, K., M. Nakamura, H. Tajima, K. Niwa, H. Tanaka, K. Yamamura, K. Yamamoto and K. Kodama, Radiation damage test of position sensitive silicon detectors ... A324 (1993) 276
Teraoka, K., see Saito, K. ... A326 (1993) 204
Terburg, B.P., P. Verkerk, E. Jericha and M. Zawisky, The coherent scattering length of ^{86}Kr determined by neutron interferometry ... A324 (1993) 247
Terunuma, N., N. Kanda, M. Sakuda, Y. Chiba, Y. Fukushima, J. Haba, A. Krüger, I. Nakano, S. Nakamura, K. Ogawa, T. Ohsugi, A. Suzuki and Y. Watase, Initial performance of the VENUS transition radiation detector ... A323 (1992) 471
Tesch, K., see Dworak, D. ... A321 (1992) 589
Tezkratt, R., see Gobbi, A. ... A324 (1993) 156
Thadome, J., see Anassontzis, E.G. ... A323 (1992) 351
Thakur, A.N. and J.R. Arnold, A sensitive continuum analysis method for gamma ray spectra ... A325 (1993) 529
Thakur, D.K., see Bhatnagar, P.K. ... A329 (1993) 467
the Vivitron Group see Helleboid, J.-M. ... A328 (1993) 76
Theis, D., see EDDA Collaboration ... A329 (1993) 151
Theodosiou, G., see DØ Collaboration ... A324 (1993) 53
Theodosiou, G.E., see Anassontzis, E.G. ... A323 (1992) 351
Thiessen, H., see Neuffer, D. ... A321 (1992) 1
Thiessen, H.A., see Langenbrunner, J. ... A325 (1993) 187
Thomas, G., see Glasser, F. ... A322 (1992) 619
Thomas, J., see Regan, T.O. ... A326 (1993) 570
Thomas, J.H., see Costales, J.B. ... A330 (1993) 183
Thompson, J., see DØ Collaboration ... A324 (1993) 53
Thompson, L.F., see Babbage, W.S. ... A330 (1993) 482
Thorndike, E.H., see Ueno, K. ... A323 (1992) 601
Thornton, G., see Becker-Szendy, R. ... A324 (1993) 363
Thurn, H., see Cindro, V. ... A323 (1992) 314
Tikhonov, Yu.A., see Aulchenko, V.M. ... A327 (1993) 193
Tilles, D., see Barbosa, F.J. ... A323 (1992) 191
Timmermans, C., see Adeva, B. ... A323 (1992) 109
Tischhauser, J., see Séguinot, J. ... A323 (1992) 583
Tischler, B., see Gobbi, A. ... A324 (1993) 156
Tishkov, V.S., see Dudchik, Yu.I. ... A325 (1993) 343
Tisserant, S., see DØ Collaboration ... A324 (1993) 53
Tisserant, S., see Basa, S. ... A330 (1993) 93
Titov, A., see Apollinari, G. ... A324 (1993) 475
Titov, V.M., see Anashkin, E.V. ... A323 (1992) 178
Titov, V.M., see Aulchenko, V.M. ... A326 (1993) 120
Tiunov, A.V., see Alimov, A.S. ... A326 (1993) 391
Tiunov, A.V., see Alimov, A.S. ... A328 (1993) 385
Tiwari, A.N., H. Zogg and S. Blunier, Heteroepitaxial CdTe layers on Si-substrates for radiation sensor arrays with integrated Si-electronics ... A322 (1992) 352
Todesco, G.M., see Bastianello, G. ... A324 (1993) 543
Toet, D.Z., see Anassontzis, E.G. ... A323 (1992) 351
Toevs, F., see Axen, D. ... A328 (1993) 472
Togo, V., see MACRO Collaboration ... A324 (1993) 337
Tokarek, R., see Beretvas, A. ... A329 (1993) 50
Tolbanov, O.P., see Chmill, V.B. ... A326 (1993) 310
Tomasch, A.D., High resolution drift tube hodoscopes for cosmic ray studies ... A323 (1992) 65
Tomasicchio, G., see Baechler, J. ... A324 (1993) 449
Tomasini, A., see Buttler, W. ... A326 (1993) 63
Tomić, D., see Blagus, S. ... A321 (1992) 271

Tomizawa, A., see Tagishi, Y. A322 (1992) 304
Tomizawa, M., see Masuda, T. A322 (1992) 135
Tomizawa, M., see Tagishi, Y. A322 (1992) 304
Tomizawa, M., M. Yoshizawa, K. Chida, J. Yoshizawa, Y. Arakaki, R. Nagai, A. Mizobuchi, Y. Noda, K. Noda, M. Kanazawa, A. ando, H. Muto and T. Hattori, Slow beam extraction at TARN II A326 (1993) 399
Tonelli, G., see Batignani, G. A326 (1993) 183
Tonisch, F., see Deiters, K. A323 (1992) 162
Toporkov, D., see Düren, M. A322 (1992) 13
Toporkov, D.K., see Gilman, R. A327 (1993) 277
Toporowsky, M., see Karpinski, W. A323 (1992) 635
Torelli, M., see Bacci, C. A324 (1993) 83
Torelli, M., see Bastianello, G. A324 (1993) 543
Tornielli, G., see Colautti, P. A321 (1992) 392
Torquati, M.R., see Angelini, F. A323 (1992) 229
Torre, A., see Dattoli, G. A321 (1992) 447
Torretta, D., see Frabetti, P.L. A329 (1993) 62
Tosaki, M., see Ito, S. A329 (1993) 564
Tosello, F., see Balestra, F. A323 (1992) 523
Toshkov, S., see Ahmad, S. A330 (1993) 416
Totsky, Yu.I., see Vishnevsky, I.N. A328 (1993) 39
Tovey, S., see Anghinolfi, F. A326 (1993) 365
Towers, S., see Aubert, B. A321 (1992) 467
Toyama, T., see Uno, S. A330 (1993) 55
Toyokawa, H., see Futami, Y. A326 (1993) 513
Trache, L., see Iacob, V.E. A325 (1993) 373
Trampus, P., see Stalio, R. A326 (1993) 150
Tran, M.-T., see Galumian, P. A327 (1993) 269
Tran, T.M., see Pagès, J.L. A321 (1992) 342
Trautmann, N., see Hickmann, U. A321 (1992) 216
Trautvetter, H.P., see Benjelloun, M. A321 (1992) 521
Travaglini, M., see Cardarelli, R. A324 (1993) 253
TRD ZEUS Group, The transition radiation detector for ZEUS A323 (1992) 135
Treichel, M., see Wong, H.T. A329 (1993) 163
Tribouillard, C., see Anne, R. A329 (1993) 21
Triggiani, G., see Batignani, G. A326 (1993) 183
Tripard, G., see Supek, I. A324 (1993) 19
Tripiccione, R., see Bastianello, G. A324 (1993) 543
Triple Collaboration, Roberson, N.R., C.D. Bowman, J.D. Bowman, P.P.J. Delheij, C.M. Frankle, C.R. Gould, D.G. Haase, J.N. Knudson, G.E. Mitchell, R.N. Mortensen, S.I. Penttilä, H. Postma, S.J. Seestrom, J.J. Szymanski, S.A. Wender, S.H. Yoo, V.W. Yuan and X. Zhu, An apparatus and techniques for tests for fundamental symmetries in compound-nucleus scattering with epithermal polarized neutron beams A326 (1993) 549
Trippe, T.G., see DØ Collaboration A324 (1993) 53
Trischuk, W., see Bingefors, N. A328 (1993) 447
Tristram, G., see Anassontzis, E.G. A323 (1992) 351
Tronc, D., Traveling wave acceleration of protons A327 (1993) 253
Troncon, C., see Bingefors, N. A328 (1993) 447
Tross, W., see Bastianello, G. A324 (1993) 543
Troung, K., see Brenner, R. A326 (1993) 189
Trowitzsch, G., see Deiters, K. A323 (1992) 162
Trümper, J., see Pinotti, E. A326 (1993) 85
Trümper, J., see Bräuninger, H. A326 (1993) 126
Truöl, P., see Eichenberger, S. A323 (1992) 532
Truöl, P., see Wolff, Th. A323 (1992) 537
Trzaska, M., see Gobbi, A. A324 (1993) 156
Tsentalovich, E.P., see Isaeva, L.G. A325 (1993) 16
Tsentalovich, E.P., see Gilman, R. A327 (1993) 277
Tserruya, I., see Chen, W. A326 (1993) 273
Tsirou, A., see Anassontzis, E.G. A323 (1992) 351
Tsoi, E., see Kavadias, S. A322 (1992) 562
Tsoi, E., see Misiakos, K. A326 (1993) 38
Tsou, R.H., see Kiang, L.L. A327 (1993) 427

Tsukamoto, T., see Baines, J.T.M. ... A325 (1993) 271
Tsukamoto, T., see Uno, S. ... A330 (1993) 55
Tsunemi, H., K. Hayashida, K. Tamura, S. Nomoto, M. Wada, A. Hirano and E. Miyata, Detection of X-ray polarization with a charge coupled device (*Letter to the Editor*) ... A321 (1992) 629
Tsuruoka, S., see Shirai, T. ... A321 (1992) 429
Tsvinev, A., see Baldin, A. ... A323 (1992) 439
Tsyupa, Yu.P., see Chmill, V.B. ... A326 (1993) 310
Tuchscherer, H., see Faissner, H. ... A330 (1993) 76
Tufail, M., see Ahmad, N. ... A321 (1992) 403
Tuffanelli, S., see Affatato, S. ... A325 (1993) 417
Tukich, E.J., see Danilova, T.V. ... A323 (1992) 104
Tuominiemi, J., see Bakker, F. ... A330 (1993) 44
Turala, M., see Brenner, R. ... A326 (1993) 189
Turala, M., see Brenner, R. ... A326 (1993) 198
Turala, M., see Gadomski, S. ... A326 (1993) 239
Turała, M., see Bingefors, N. ... A328 (1993) 447
Turchanovich, L.K., see Buzulutskov, A.F. ... A323 (1992) 458
Turchetta, R., see Brenner, R. ... A326 (1993) 189
Turchetta, R., see Brenner, R. ... A326 (1993) 198
Turchetta, R., see Bingefors, N. ... A328 (1993) 447
Turcot, A., see Axen, D. ... A328 (1993) 472
Turcot, A.S., see Atiya, M.S. ... A321 (1992) 129
Turcotte, M., see Axen, D. ... A328 (1993) 472
Turnbull, R.M., see Beaumont, S.P. ... A321 (1992) 172
Turnbull, R.M., see Beaumont, S.P. ... A322 (1992) 472
Turnbull, R.M., see Beaumont, S.P. ... A326 (1993) 313
Turner, M.F., see Allport, P.P. ... A324 (1993) 34
Tusi, A., see Bacci, C. ... A324 (1993) 83
Tusi, E., see Cardarelli, R. ... A324 (1993) 253
Tutay, A., see Pausch, G. ... A322 (1992) 43
Tuts, P.M., see DØ Collaboration ... A324 (1993) 53
Tuts, P.M., see Aihara, H. ... A325 (1993) 393
Tuuva, T., see Brenner, R. ... A326 (1993) 189
Tuuva, T., see Bingefors, N. ... A328 (1993) 447
Tuzel, W., see Barbosa, F.J. ... A323 (1992) 191
Tuzel, W., see Chew, M. ... A323 (1992) 345
Twenhöfel, C.J.W., see Bootsma, T.M.V. ... A324 (1993) 399
Twenhöfel, C.J.W., see van Nieuwenhuizen, G.J. ... A325 (1993) 516
Twyhues, A., see Berger, F. ... A321 (1992) 152
Tyndel, M., see Brenner, R. ... A326 (1993) 189
Tyndel, M., see Bingefors, N. ... A328 (1993) 447
Tyndyk, N.N., see Zashkvara, V.V. ... A321 (1992) 439
Tyndyk, N.N., see Zashkvara, V.V. ... A328 (1993) 416
Tysarczyk-Niemeyer, G., see Biebel, O. ... A323 (1992) 169
Tzamarias, S., see Anassontzis, E.G. ... A323 (1992) 351

Uchiyama, A., see Hanaoka, R. ... A327 (1993) 107
Ueda, A., see Sakanaka, S. ... A325 (1993) 1
Ueda, T., see Yoshida, Y. ... A327 (1993) 41
Ueda, T., see Nakanishi, H. ... A328 (1993) 596
Ueda, Y., K. Nishihara, K. Mimura, Y. Hari, M. Taniguchi and M. Fujisawa, Performance of the inverse photoemission spectrometer with a new bandpass photon detector of narrow bandwidth and high sensitivity ... A330 (1993) 140
Ueno, K., H.W. Zheng, C. Back, D. Blanis, S. Eno, T. Haelen, Y.H. Ho, Y.K. Kim, T. Mori, S.L. Olsen, N.M. Shaw, E.H. Thorndike, J. Edwards, C. Rosenfeld, Y. Higashi and Y. Kobayashi, The design of the AMY central drift chamber and performance in a 3 T magnetic field ... A323 (1992) 601
Uhrmacher, M., see Bartos, A. ... A330 (1993) 132
Ukai, M., see Shinsaka, K. ... A327 (1993) 15
Ukraintsev, Yu.G., see Isaeva, L.G. ... A325 (1993) 16
Uldry, M., see Allport, P.P. ... A324 (1993) 34
Ullrich, Th., see Chen, W. ... A326 (1993) 273

Ullucci, P., see Bonetti, S. ... A329 (1993) 314
Ullucci, P., see Ranucci, G. ... A330 (1993) 276
Ulrichs, J., see Horton, L. ... A325 (1993) 326
Unal, G., see Aubert, B. ... A321 (1992) 467
Unal, G., see Aubert, B. ... A325 (1993) 116
Unal, G., see RD3 Collaboration ... A330 (1993) 405
Unger, P.P., see Hykawy, J.G. ... A329 (1993) 423
Unno, Y., see Hasegawa, Y. ... A327 (1993) 57
Uno, S., Y. Sakai, T. Tsukamoto, K. Abe, I. Adachi, T. Nozaki, M. Saitoh, O. Sasaki, H. Yamaoka, K. Emi, O. Nitoh, K. Takahashi, M. Aoki, R. Kajikawa, K. Miyabayashi, E. Nakano, Y. Ohnishi, K. Shimozawa, A. Sugiyama, S. Suzuki, F. Teramae, T. Toyama and T. Yamaki, Study of a drift chamber filled with a helium–ethane mixture ... A330 (1993) 55
Uno, Y., see Yamadera, A. ... A329 (1993) 188
Uozumi, Y., T. Sakae, M. Matoba, H. Ijiri and N. Koori, Semi-microscopic formula for gas gain of proportional counters ... A324 (1993) 558
Urano, T., Y. Hosono and K.-i. Hasegawa, Doubly synchronized trigger system of the KEK positron generator for the TRISTAN injection ... A327 (1993) 529
Urban, D., see Detemple, P. ... A321 (1992) 479
Uritani, A., see Yoshida, M. ... A330 (1993) 158
Urner, D., see Crystal Barrel Collaboration ... A321 (1992) 69
Urso, S., see Lanzanó, G. ... A323 (1992) 694
Ushkanov, V.A., see Alimov, A.S. ... A326 (1993) 391
Usov, Ya.A., see Ball, J. ... A327 (1993) 308
Usuda, S. and H. Abe, Flow monitor for actinide solutions by simultaneous α and β(γ) counting using a CsI(Tl) scintillator ... A321 (1992) 242
Usuda, S., A. Mihara and H. Abe, Rise time spectra of α and β(γ) rays from solid and solution sources with several solid scintillators ... A321 (1992) 247
Uto, H., see Noé, J.W. ... A328 (1993) 285
Utsumi, M., see Takasaki, F. ... A322 (1992) 211
Utsumi, M., see Yamada, Y. ... A330 (1993) 64
Utts, B., see Kaloskamis, N.I. ... A330 (1993) 447
Uwamino, Y., see Yamazaki, T. ... A325 (1993) 489
Uzunov, I.P., see Pressyanov, D.S. ... A326 (1993) 613

v. Feilitzsch, F., see Forster, G. ... A324 (1993) 491
v. Przewoski, B., H.O. Meyer, W. Lozowski, S.F. Pate, R.E. Pollock, T. Rinckel, P. Schwandt, F. Sperisen, W. deZarn, P. Heimberg and P.V. Pancella, Interaction of stored, cooled proton beams with fiber targets ... A328 (1993) 435
v. Przewoski, B., see EDDA Collaboration ... A329 (1993) 151
v. Przewoski, B., see Pollock, R.E. ... A330 (1993) 380
v. Rossen, P., see EDDA Collaboration ... A329 (1993) 151
Vacchi, A., P.T. Cox, P. Giacomelli, A. Castoldi, S. Chinnici, E. Gatti, A. Longoni, F. Palma, M. Sampietro, P. Rehak, G. Ballocchi, J. Kemmer and P. Holl, Beam test of a large area silicon drift detector ... A326 (1993) 267
Vager, Z., see Kella, D. ... A329 (1993) 440
Vaillancourt, R., see Kondrashov, V.S. ... A328 (1993) 542
Valente, V., see MACRO Collaboration ... A324 (1993) 337
Valentine, J.D., W.W. Moses, S.E. Derenzo, D.K. Wehe and G.F. Knoll, Temperature dependence of CsI(Tl) gamma-ray excited scintillation characteristics ... A325 (1993) 147
Valentino, V., see Brautti, G. ... A328 (1993) 59
Valiev, F., see Baldin, A. ... A323 (1992) 439
Valley, J.-F., see Aroua, A. ... A321 (1992) 298
Valley, J.-F., see Aroua, A. ... A321 (1992) 305
Valley, J.-F., see Aroua, A. ... A321 (1992) 312
Valverde, J.L., see Crotty, I. ... A329 (1993) 133
Van Apeldoorn, G., see Anassontzis, E.G. ... A323 (1992) 351
Van Berg, R., see DØ Collaboration ... A324 (1993) 53
Van Dam, P., see Anassontzis, E.G. ... A323 (1992) 351
Van de Vyver, R., see Van Hoorebeeke, L. ... A321 (1992) 230
Van de Vyver, R., see Van Hoorebeke, L. ... A326 (1993) 608
Van den Abeele, C., see Van Hoorebeeke, L. ... A321 (1992) 230
Van den Abeele, C., see Van Hoorebeke, L. ... A326 (1993) 608
Van den Berg, L., see Schlesinger, T.E. ... A322 (1992) 414

Van den Berg, L., see James, R.B. ... A322 (1992) 435
Van den Berg, L., Recent developments in mercuric iodide technology at EG&G Energy Measurements, Inc., Santa Barbara Operations ... A322 (1992) 456
Van den Brandt, B., see Berger, C. ... A330 (1993) 285
Van den Brink, A., see Bootsma, T.M.V. ... A324 (1993) 399
Van den Hoff, J., see Alfter, I. ... A321 (1992) 506
Van Der Graaf, H., see Adeva, B. ... A323 (1992) 109
Van der Graaf, H., see Bakker, F. ... A330 (1993) 44
Van der Velde, J.C., see Becker-Szendy, R. ... A324 (1993) 363
Van Dijk, J.H., Performance of a mini-TPC ... A323 (1992) 220
Van Egeren, Q., see Albee, M. ... A325 (1993) 429
Van Eijk, C.W.E., see Okx, W.J.C. ... A323 (1992) 466
Van Eijk, C.W.E., see Dorenbos, P. ... A325 (1993) 367
Van Eijk, C.W.E., see Schooneveld, E.M. ... A326 (1993) 263
Van Eijndhoven, N.J.A.M., see Bootsma, T.M.V. ... A324 (1993) 399
Van Hecke, H., see Sullivan, J.P. ... A324 (1993) 441
Van Heerden, I.J., see Cairns, E.B. ... A321 (1992) 109
Van Heeringen, W.F., see Bootsma, T.M.V. ... A324 (1993) 399
Van Hoorebeeke, L., D. Ryckbosch, C. Van den Abeele, R. Van de Vyver, J. Dias, F. De Smet, B. Schröder and D. Nilsson, Determination of the random particle energy spectrum in tagged photon experiments ... A321 (1992) 230
Van Hoorebeke, L., D. Ryckbosch, C. Van den Abeele, R. Van de Vyver and J. Dias, Microstructure in the electron beam and the shape of tagging TDC spectra ... A326 (1993) 608
Van Kooten, R., see Biebel, O. ... A323 (1992) 169
Van Nieuwenhuizen, G.J., see Bootsma, T.M.V. ... A324 (1993) 399
Van Nieuwenhuizen, G.J., A.P. de Haas, T.M.V. Bootsma, J.J. Langerak, R. Kamermans, P.G. Kuijer, C.J. Oskamp, C.J.W. Twenhöfel and J.M. Voerman, Electronics for the Huygens Vat 4π detection system ... A325 (1993) 516
Van Oers, W.T.H., see Sum, V. ... A326 (1993) 489
Van Rossum, L., see Ball, J. ... A327 (1993) 308
Van Sprakelaar, G.J., see Wouters, S.E. ... A326 (1993) 299
Van Stekelenborg, J.T.P.M. and J.P. Petrakis, The detection of bursts in UHE and VHE gamma ray data ... A328 (1993) 559
Vanhorenbeeck, J., see Benjelloun, M. ... A321 (1992) 521
Vanni, U., see Beaumont, S.P. ... A321 (1992) 172
Vannini, C., see Batignani, G. ... A326 (1993) 183
Vannini, G., see Iori, I. ... A325 (1993) 458
Vanuxem, J.P., see Bal, F. ... A323 (1992) 511
Variale, V., see Brautti, G. ... A328 (1993) 59
Vartazarian, A.S., see Artiomov, A.S. ... A328 (1993) 408
Vartsky, D., see Bräuning, H. ... A327 (1993) 369
Vasil'chenko, V.G., see Britvich, G.I. ... A321 (1992) 64
Vasil'chenko, V.G., see Britvich, G.I. ... A326 (1993) 483
Vasil'chenko, V.G., see Antipov, A.V. ... A327 (1993) 346
Vasileiadis, G., see Baechler, J. ... A324 (1993) 449
Vasil'ev, A.N., see Asseev, A.A. ... A330 (1993) 39
Vasiliev, M.A., see Gobbi, A. ... A324 (1993) 156
Vasilyev, Yu.O., see Rosenfeld, A.B. ... A326 (1993) 234
Vater, G., see Engler, J. ... A327 (1993) 102
Va'vra, J., Wire chamber gases ... A323 (1992) 34
Va'vra, J., P. Coyle, J. Kadyk and J. Wise, Measurement of electron drift parameters for helium and CF_4-based gases ... A324 (1993) 113
v.d. Lippe, H., see Bingefors, N. ... A326 (1993) 112
Vecchi, S., see Affatato, S. ... A325 (1993) 417
Veeck, A., see Colonna, N. ... A321 (1992) 529
Vegni, G., see Caccia, M. ... A321 (1992) 348
Vegni, G., see Brenner, R. ... A326 (1993) 189
Vegni, G., see Bingefors, N. ... A328 (1993) 447
Vella, E., see Axen, D. ... A328 (1993) 472
Veltri, M., see Düren, M. ... A322 (1992) 13
Veltri, M., see Barber, D.P. ... A329 (1993) 79
Veneziano, S., see Bacci, C. ... A324 (1993) 83
Ventura, M., see Anzivino, G. ... A329 (1993) 521
Ventura, S., see Benetti, P. ... A327 (1993) 173

Ventura, S., see Benetti, P. A327 (1993) 203
Ventura, S., see Benetti, P. A329 (1993) 361
Verdini, P.G., see Batignani, G. A326 (1993) 183
Verdone, G.R., see MACRO Collaboration A324 (1993) 337
Verger, L., M. Cuzin, G. Gaude, F. Glasser, F. Mathy, J. Rustique and B. Schaub, Electronic properties of chlorine doped cadmium telluride used as high energy photoconductive detector A322 (1992) 357
Verger, L., see Mathy, F. A322 (1992) 615
Verger, L., see Glasser, F. A322 (1992) 619
Vergezac, P., see Anassontzis, E.G. A323 (1992) 351
Verkerk, P., see Terburg, B.P. A324 (1993) 247
Verkerke, W., see Bootsma, T.M.V. A324 (1993) 399
Verweij, H., see Bal, F. A323 (1992) 511
Verweij, H., see Munday, D. A326 (1993) 100
Verzocchi, M., see Bacci, C. A324 (1993) 83
Vetterli, M., see Barber, D.P. A329 (1993) 79
Vialle, J.L., see Duong, H.T. A325 (1993) 465
Vialle, J.P., see Aubert, B. A321 (1992) 467
Vialle, J.P., see Aubert, B. A325 (1993) 116
Vialle, J.P., see RD3 Collaboration A330 (1993) 405
Vicini, P., see Bastianello, G. A324 (1993) 543
Viehhauser, G., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Vienet-Legué, R., see Attal, P. A328 (1993) 293
Vigilante, M., see Grassi, D. A322 (1992) 449
Vignet, J.L., see Anne, R. A329 (1993) 21
Vilain, P., see CHARM-II Collaboration A325 (1993) 92
Villa, M., see Affatato, S. A325 (1993) 417
Villar, J.A., see Morales, J. A321 (1992) 410
Vinattieri, A., see Beaumont, S.P. A321 (1992) 172
Vinattieri, A., see Beaumont, S.P. A322 (1992) 472
Vinattieri, A., see Beaumont, S.P. A326 (1993) 313
Vincent, D., see Gobbi, A. A324 (1993) 156
Vinogradov, V., see Chen, M. A327 (1993) 187
Virdee, T.S., Calorimeters using room temperature and noble liquids A323 (1992) 22
Virdee, T.S., see Braem, A. A326 (1993) 325
Vishnevsky, I.N., Yu.I. Totsky, E.N. Mozhzhukhin, N.I. Zaika, V.V. Zhuk and Ya.I. Boyko, The tandem accelerator at the Institute for Nuclear Research, Kiev A328 (1993) 39
Visintini, F., see Stalio, R. A326 (1993) 150
Visser, R., see Dorenbos, P. A325 (1993) 367
Vistin, L.L., see Buzulutskov, A.F. A322 (1992) 235
Vitale, A., see Affatato, S. A325 (1993) 417
Vitè, D., see Hall, G. A326 (1993) 228
Vittone, M., see Frabetti, P.L. A329 (1993) 62
Vitulo, P., see Frabetti, P.L. A329 (1993) 62
Vlachos, S., see Athanasiu, G. A324 (1993) 320
Voerman, J.M., see van Nieuwenhuizen, G.J. A325 (1993) 516
Vogel, W., see Barber, D.P. A329 (1993) 79
Vogt, H., see Deiters, K. A323 (1992) 162
Vogt, J., see CHARM-II Collaboration A325 (1993) 92
Vogt, J., see Matulewicz, T. A325 (1993) 216
Vogt, J.M., see Cairns, E.B. A321 (1992) 109
Vogt, J.M., R.E. Pywell, D.M. Skopik, E.L. Hallin, J.C. Bergstrom, H.S. Caplan, K.I. Blomqvist, W. Del Bianco and J.W. Jury, The photon tagging facility at the Saskatchewan Accelerator Laboratory A324 (1993) 198
Vohl, S., see Sydow, L. A327 (1993) 441
Voillat, D., see Allport, P.P. A324 (1993) 34
Vojnović, B., see Blagus, S. A321 (1992) 271
Volant, C., see Lanzanó, G. A323 (1992) 694
Völcker, C., see Crystal Barrel Collaboration A321 (1992) 69
Völkel, K., see Senger, P. A327 (1993) 393
Volkov, A.D., see Demortier, L. A324 (1993) 77
Volkov, P., see Laurent, H. A326 (1993) 517

Volkov, S., see Adeva, B. A323 (1992) 109
Von Borany, J., see Schmidt, B. A326 (1993) 21
Von Borany, J., and R. Kögler, The influence of preamorphization on the properties of shallow p^+ n-junctions in silicon radiation detectors A326 (1993) 42
Von Brentano, P., see Altmann, J. A321 (1992) 59
Von Brentano, P., see Böhm, G. A329 (1993) 248
Von der Schmitt, H., see Biebel, O. A323 (1992) 169
Von der Schmitt, H., see Baines, J.T.M. A325 (1993) 271
Von Egidy, T., see Kim, Y.S. A329 (1993) 403
Von Feilitzsch, F., see Kraus, H. A326 (1993) 172
Von Hahn, R., see Grieser, M. A328 (1993) 160
Von Hahn, R., M. Grieser, D. Habs, E. Jaeschke, C.-M. Kleffner, J. Liebmann, S. Papureanu, R. Repnow, D. Schwalm and M. Stampfer, Development of seven-gap resonators for the Heidelberg high current injector A328 (1993) 270
Von Przewoski, B., see Ross, M.A. A326 (1993) 424
Von Seggern, H., X-ray imaging with photostimulable phosphors A322 (1992) 467
Von Zanthier, C., see Pinotti, E. A326 (1993) 85
Von Zanthier, C., see Bräuninger, H. A326 (1993) 126
Vorobiev, A., see DØ Collaboration A324 (1993) 53
Vorobiev, A.P., see Chmill, V.B. A326 (1993) 310
Voss, T., see CHARM-II Collaboration A325 (1993) 92
Votano, L., see Anzivino, G. A329 (1993) 521
Voulgaris, G., see Anassontzis, E.G. A323 (1992) 351
Voutilainen, M., see Brenner, R. A326 (1993) 189
Vranic, D., see Baechler, J. A324 (1993) 449
Vuaridel, B., see Ball, J. A327 (1993) 308
Vuillemin, V., see Lindblad, Th. A324 (1993) 263
Vuillemin, V., see Aubert, B. A325 (1993) 116
Vuillemin, V., P. Cennini, C.W. Fabjan, D. Lacarrère, A. Looten, M. Moulson, W. Seidl, P. Carlson, W. Klamra, Th. Lindblad and B. Lund-Jensen, Characteristics of the charge response to alpha and beta particles in liquid argon doped with ethylene A327 (1993) 44
Vuillemin, V., see RD3 Collaboration A330 (1993) 405
Vuilleumier, J.-C., see Wong, H.T. A329 (1993) 163
Vylet, V., see Aroua, A. A321 (1992) 298

Waast, B., see Attal, P. A328 (1993) 293
Wada, M., see Tsunemi, H. A321 (1992) 629
Wagner, A., see Senger, P. A327 (1993) 393
Wagner, H., see Faissner, H. A330 (1993) 76
Wagner, P., see Gobbi, A. A324 (1993) 156
Wagner, W., see Pausch, G. A322 (1992) 43
Wahl, C., see Biebel, O. A323 (1992) 169
Wahl, H., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Wahl, H.D., see DØ Collaboration A324 (1993) 53
Wahl, H.D., see Aihara, H. A325 (1993) 393
Wai, L., see Caldwell, A. A330 (1993) 389
Waite, A.P., see Axen, D. A328 (1993) 472
Waki, I., see Hirai, Y. A327 (1993) 256
Wälder, G., see Beusch, W. A323 (1992) 373
Walenta, A.H., see Myalitsin, V.K. A323 (1992) 97
Walker, J., see Pile, P.H. A321 (1992) 48
Walker, R., see Beretvas, A. A329 (1993) 50
Wallraff, W., see Karpinski, W. A323 (1992) 635
Walsh, J., see Batignani, G. A326 (1993) 183
Walsh, S., see Roderburg, E. A323 (1992) 140
Walsh, S., see Dahmen, M. A323 (1992) 542
Walter, C.W., see MACRO Collaboration A324 (1993) 337
Walterman, G., see Batignani, G. A326 (1993) 183
Walther, D., see Crystal Barrel Collaboration A321 (1992) 69
Walther, S., see Crystal Barrel Collaboration A321 (1992) 69
Walther, S., see Batignani, G. A326 (1993) 183

Waluś, W., see Senger, P. A327 (1993) 393
Walzel, G., see Bakker, F. A330 (1993) 44
Wander, W., see Barber, D.P. A329 (1993) 79
Wang, C., see Oh, S.H. A325 (1993) 142
Wang, H., see Chang, T. A325 (1993) 196
Wang, H., see Benetti, P. A327 (1993) 173
Wang, H., see Benetti, P. A327 (1993) 203
Wang, H., see Jain, A. A328 (1993) 251
Wang, H., see Benetti, P. A329 (1993) 361
Wang, J.H., see Adeva, B. A323 (1992) 109
Wang, N., see Shutt, T. A326 (1993) 166
Wang, Q.F., see Hauser, J. A321 (1992) 497
Wang, Q.F., see Adeva, B. A323 (1992) 109
Wang, S., see Chang, T. A325 (1993) 196
Wang, T.-S., see Neuffer, D. A321 (1992) 1
Wang, Y.F., see Innocente, V. A323 (1992) 647
Wang, Y.Y., see Bencheikh, B. A323 (1992) 398
Wang, Z.H., see Soler, P. A324 (1993) 482
Wang, Z.M., see Adeva, B. A323 (1992) 109
Warchol, J., see Abbott, B. A327 (1993) 319
Ward, D.R., see Allport, P.P. A324 (1993) 34
Ward, H., C.F. Moore, P.S. Maloney and J.D. Martin, Probabilistic neural nets in analysis of magnetic spectrometer data A321 (1992) 583
Wartenberg, S., see Arends, J. A323 (1992) 203
Watanabe, H., Deriving profiles of incident and scattered neutrons for TOF experiments with the spallation sources (*Letter to the Editor*) A330 (1993) 310
Watanabe, T., see Kudomi, N. A322 (1992) 53
Watanabe, T., N. Yamamoto and Xiao-min Tong, Simulation calculation on electronic processes under intense X-ray and electron beam irradiation A327 (1993) 31
Watanabe, T., see Minowa, M. A327 (1993) 612
Watanabe, T., see Sugai, I. A329 (1993) 46
Watanabe, Y., see Hasegawa, Y. A327 (1993) 57
Watase, Y., see Terunuma, N. A323 (1992) 471
Watkins, N., see Adams, J.M. A329 (1993) 277
Watson, A.T., see Baines, J.T.M. A325 (1993) 271
Watson, N.K., see Baines, J.T.M. A325 (1993) 271
Watt, R., see Axen, D. A328 (1993) 472
Wattecamps, P., see Barbosa, A.F. A323 (1992) 247
Waurick, G., see Bakker, F. A330 (1993) 44
Wawryszczuk, J., see Goworek, T. A321 (1992) 560
Wayne, M., see Abbott, B. A327 (1993) 319
Wear, J., see Batignani, G. A326 (1993) 183
Webb, R., see MACRO Collaboration A324 (1993) 337
Webel, M., see Benz, K.W. A322 (1992) 493
Weber, F., see Batignani, G. A326 (1993) 183
Weber, J., see EDDA Collaboration A329 (1993) 151
Weckel, J., see Anderson, W.S. A323 (1992) 273
Weddigen, Ch., see Crystal Barrel Collaboration A321 (1992) 69
Weekes, T.C., see Gillanders, G.H. A323 (1992) 677
Weerts, H., see DØ Collaboration A324 (1993) 53
Weerts, H., see Aihara, H. A325 (1993) 393
Wegner, H.E., see Costales, J.B. A330 (1993) 183
Wehe, D.K., see Valentine, J.D. A325 (1993) 147
Wehe, D.K., see DeVol, T.A. A327 (1993) 354
Weidberg, A., see Munday, D. A326 (1993) 100
Weidberg, A.R., see Anghinolfi, F. A326 (1993) 365
Weidemann, A., see Axen, D. A328 (1993) 472
Weilhammer, P., see Bingefors, N. A326 (1993) 112
Weilhammer, P., see Brenner, R. A326 (1993) 189
Weilhammer, P., see Brenner, R. A326 (1993) 198
Weilhammer, P., see Bingefors, N. A328 (1993) 447

Weinert, J., see Gobbi, A. A324 (1993) 156
Weingarten, A., see Forker, M. A327 (1993) 456
Weisenberger, A., see Majewski, S. A323 (1992) 489
Weisenberger, A., A. Day, B. Kross, S. Majewski, R. Wojcik and C. Zorn, Studies of a new 16 channel photomultiplier tube for scintillating and waveshifting fiber readout A327 (1993) 500
Weisser, D.C., Resistor assemblies, their development and performance A328 (1993) 138
Welch, J., see Rubin, D.L. A330 (1993) 12
Wells, P.S., see Charlton, D.G. A325 (1993) 129
Wells, P.S., see Baines, J.T.M. A325 (1993) 271
Wells, S.P., S.W. Wissink, A.D. Bacher, S.M. Bowyer, S. Chang, J. Lisantti, J. Liu, C. Olmer, A.K. Opper, T. Rinckel and E.J. Stephenson, An in-beam polarimeter for intermediate energy protons using p + d elastic scattering A325 (1993) 205
Welte, F., see MACRO Collaboration A324 (1993) 337
Wenaus, T., see Adeva, B. A323 (1992) 109
Wender, S.A., see Triple Collaboration A326 (1993) 549
Wendler, H., see CPLEAR Collaboration A321 (1992) 458
Wendler, H., see Bal, F. A323 (1992) 511
Wendler, H., see Pagès, J.L. A321 (1992) 342
Wenninger, J., see Bay, A. A321 (1992) 119
Wensveen, M., see Baechler, J. A324 (1993) 449
Wente, C., see Albee, M. A325 (1993) 429
Wenzel, Th., see Bartos, A. A330 (1993) 132
Wenzel, W.A., see DØ Collaboration A324 (1993) 53
Wenzel, W.A., see Aihara, H. A325 (1993) 393
Werbeck, R.D., see Langenbrunner, J. A325 (1993) 187
Werlen, M., see Galumian, P. A327 (1993) 269
Wermes, N., see Chen, W. A326 (1993) 273
Werner, J., see Anassontzis, E.G. A323 (1992) 351
Wessels, J.P., see Gobbi, A. A324 (1993) 156
Westbrook, E., see Stanton, M. A325 (1993) 558
Wester, W.C., see Bacchetta, N. A324 (1993) 284
Westphal, D., see Barber, D.P. A329 (1993) 79
Wheadon, R., see Gill, K. A322 (1992) 177
Wheadon, R., see Hall, G. A326 (1993) 228
Whitaker, H., see Beretvas, A. A329 (1993) 50
Whitaker, T., see Gillanders, G.H. A323 (1992) 677
White, A.P., see DØ Collaboration A324 (1993) 53
White, A.P., see Aihara, H. A325 (1993) 393
White, D.J., see EHIT Collaboration A323 (1992) 407
White, J.T., see DØ Collaboration A324 (1993) 53
White, M., see Adeva, B. A323 (1992) 109
White, S., see Hauser, J. A321 (1992) 497
White, S., see Shutt, T. A326 (1993) 166
Whitehouse, D.A., see Stanislaus, S. A323 (1992) 198
Whiting, F.B., see Kandiah, K. A326 (1993) 47
Whittum, D., see Nakanishi, H. A328 (1993) 596
Wicht, P., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Wick, K., see Behrens, U. A323 (1992) 611
Wiechen, A., see Haase, G. A329 (1993) 483
Wiedmann, W., see EDDA Collaboration A329 (1993) 151
Wiedner, C., see Brecht, D. A323 (1992) 60
Wiedner, U., see Crystal Barrel Collaboration A321 (1992) 69
Wienold, T., see Gobbi, A. A324 (1993) 156
Wightman, J.A., see DØ Collaboration A324 (1993) 53
Wijnen, T., see Bakker, F. A330 (1993) 44
Wikne, J.C., A CAMAC 32-channel pile-up detection and rejection module A330 (1993) 210
Wilhelm, M., see Matulewicz, T. A325 (1993) 216
Wilhelm, R., see Adeva, B. A323 (1992) 109
Wilhelmi, M., see Deiters, K. A323 (1992) 162
Wilhelmi, Z., see Gobbi, A. A324 (1993) 156

Wilkinson, C.A., see Stanislaus, S. A323 (1992) 198
Wilkinson, D.H., The Geiger discharge revisited. Part I. The charge generated A321 (1992) 195
Wilkinson, D.H., Approximation of the incomplete gamma function; χ^2-tests A322 (1992) 93
Williams, M.C.S. and A. Zichichi, Operation of the gaseous pixel chamber in proportional mode A323 (1992) 252
Williams, M.C.S., see Crotty, I. A329 (1993) 133
Willis, S., see DØ Collaboration A324 (1993) 53
Willmott, C., see Adeva, B. A323 (1992) 109
Wilquet, G., see CHARM-II Collaboration A325 (1993) 92
Wilson, J.R., see Frabetti, P.L. A329 (1993) 62
Wimpenny, S.J., see DØ Collaboration A324 (1993) 53
Wimpenny, S.J., see Barberis, E. A326 (1993) 373
Winer, B., see Hauser, J. A321 (1992) 497
Wingerter-Seez, I., see Aubert, B. A321 (1992) 467
Wingerter-Seez, I., see Aubert, B. A325 (1993) 116
Wingerter-Seez, I., see RD3 Collaboration A330 (1993) 405
Wink, R., P. Anselmann, D. Dörflinger, W. Hampel, G. Heusser, T. Kirsten, P. Mögel, E. Pernicka, R. Plaga and C. Schlosser, The miniaturized proportional counter HD-2(Fe)/(Si) for the GALLEX solar neutrino experiment A329 (1993) 541
Winkler, A., see Marinescu, L. A328 (1993) 90
Winn, M., see Horton, L. A325 (1993) 326
Winter, K., see Bähr, J. A324 (1993) 145
Winter, K., see CHARM-II Collaboration A325 (1993) 92
Winter, N., see Crystal Barrel Collaboration A321 (1992) 69
Wintz, P., see Grossmann-Handschin, M. A327 (1993) 378
Wipf, H., see Stascheck, A. A321 (1992) 13
Wirth, H., see Jones, R. A323 (1992) 386
Wise, J., see Va'vra, J. A324 (1993) 113
Wise, T., see Roberts, A.D. A322 (1992) 6
Wisniewski, W., see Axen, D. A328 (1993) 472
Wiss, J., see Frabetti, P.L. A329 (1993) 62
Wissink, S.W., see Wells, S.P. A325 (1993) 205
Witherell, M.S., see Schmidt, D.M. A328 (1993) 547
Witteman, G.A.A., see Bakker, F. A330 (1993) 44
Witzig, C., see CPLEAR Collaboration A321 (1992) 458
Wobrauschek, P., see Rieder, R. A327 (1993) 594
Wobrauschek, P., see Ladisich, W. A330 (1993) 501
Wohlfarth, D., see Gobbi, A. A324 (1993) 156
Wojcik, R., see Majewski, S. A323 (1992) 489
Wojcik, R., see Weisenberger, A. A327 (1993) 500
Wojtsekhowski, B.B., see Isaeva, L.G. A325 (1993) 16
Wojtsekhowski, B.B., see Gilman, R. A327 (1993) 277
Wojtsekhowski, B.B., see Kezerashvili, G.Ya. A328 (1993) 506
Wolanski, M., see Kaloskamis, N.I. A330 (1993) 447
Wolf, B., see Sullivan, J.P. A324 (1993) 441
Wolf, K.H., see Allport, P.P. A324 (1993) 34
Wolf, K.L., see Sullivan, J.P. A324 (1993) 441
Wolf, R., see Axen, D. A328 (1993) 472
Wolf, Z., see DØ Collaboration A324 (1993) 53
Wolf, Z., see Aihara, H. A325 (1993) 393
Wolff, T., see Eichenberger, S. A323 (1992) 532
Wolff, Th., J. Riedlberger, M. Arpagaus, R. Bernet, R. Eichler, C. Grab, H.P. Beck, S. Egli, S. Eichenberger, K. Müller, C. Meyer, P. Robmann, U. Straumann and P. Truöl, A drift chamber track finder for the first level trigger of the H1 experiment A323 (1992) 537
Wolin, E.J. and L.L. Ho, Covariance matrices for track fitting with the Kalman filter A329 (1993) 493
Woller, K., see EDDA Collaboration A329 (1993) 151
Wollersheim, H.J., see Matulewicz, T. A325 (1993) 216
Wollnik, H., see Irnich, H. A323 (1992) 580
Womersley, J., see DØ Collaboration A324 (1993) 53
Womersley, J., see Aihara, H. A325 (1993) 393
Womersley, L.A., see Bailey, J.M. A323 (1992) 184
Womersley, L.A., see Grässler, H. A323 (1992) 401

Wong, H.T., D.A. Imel, V. Jörgens, M. Treichel and J.-C. Vuilleumier, Event identification with a time projection chamber in a double beta decay experiment on ^{136}Xe A329 (1993) 163
Woods, P.J., see Davis, N.J. A330 (1993) 165
Worden, H.M., see Alexander, J.P. A326 (1993) 243
Wörner, A., see Chen, W. A326 (1993) 273
Worstell, W., see MACRO Collaboration A324 (1993) 337
Wotton, S., see Baines, J.T.M. A325 (1993) 271
Wouters, S.E. and G.J. van Sprakelaar, Diffusion-based silicon nuclear radiation detectors with on-chip readout circuitry A326 (1993) 299
Wozniak, G.J., see Colonna, N. A321 (1992) 529
Wrochna, G., see Bakker, F. A330 (1993) 44
Wu, X., see Munday, D. A326 (1993) 100
Wu, X., see Anghinolfi, F. A326 (1993) 365
Wu, Y., see Yoshida, M. A330 (1993) 158
Wu, Z., see Apollinari, G. A324 (1993) 475
Wu, Z.Y., see Frabetti, P.L. A329 (1993) 62
Wuerthwein, F.K., see Alexander, J.P. A326 (1993) 243
Wuest, C., see Becker-Szendy, R. A324 (1993) 363
Wüller, R., see Karpinski, W. A323 (1992) 635
Wulz, C.E., see Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration A323 (1992) 393
Wulz, C.-E., see Bakker, F. A330 (1993) 44
Wunstorf, R., see Fretwurst, E. A326 (1993) 357
Wunstorf, R., see Anghinolfi, F. A326 (1993) 365
Wuosmaa, A.H., see Evensen, L. A326 (1993) 136
Wurm, J.P., see Chen, W. A326 (1993) 273
Wysłouch, B., see Adeva, B. A323 (1992) 109

Xi, D., see Bertuccio, G. A326 (1993) 71
Xi, F.Y., see Adeva, B. A323 (1992) 109
Xi, H., see Liu, G. A322 (1992) 243
Xia, Y., see DØ Collaboration A324 (1993) 53
Xia, Y., see Aihara, H. A325 (1993) 393
Xiao-min Tong see Watanabe, T. A327 (1993) 31
Xie, J., see Zhang, R. A324 (1993) 421
Xie, P., see DØ Collaboration A324 (1993) 53
Xu, C., see Bencheikh, B. A323 (1992) 398
Xu, H., see DØ Collaboration A324 (1993) 53
Xu, J., see DØ Collaboration A324 (1993) 53
Xu, J., see Aihara, H. A325 (1993) 393
Xu Zizong, Gong Zhufang, Chang Jin, Shi Caoshu, Sheng Dingzhong, Yuan Xianglong and Yin Zhiwen, Studies on decay time of fluorescence from a series of Ce-doped BaF_2 crystals A322 (1992) 239

Yabuki, F., see Yamada, Y. A330 (1993) 64
Yadigaroglu, I., C. Grab, R. Bernet and R. Eichler, Studies of energy loss in helium gas mixtures A323 (1992) 322
Yagi, K., see Tagishi, Y. A322 (1992) 304
Yakushev, E.M., see Karetskaya, S.P. A329 (1993) 202
Yamada, H., see Shinsaka, K. A327 (1993) 15
Yamada, R., see DØ Collaboration A324 (1993) 53
Yamada, Y., K. Hayashi, N. Ishihara, S. Nakamura, T. Ohama, H. Sakamoto, T. Sumiyoshi, F. Hinode, Y. Narita, T. Oyama, M. Utsumi, F. Yabuki, Y. Hemmi, H. Kurashige, K. Miyake, A. Okamoto, M. Daigo and N. Tamura, A vertex drift chamber for the VENUS detector at TRISTAN A330 (1993) 64
Yamadera, A., Y. Uno, T. Nakamura, I. Fujiwara, S. Shibata and T. Kase, Measurement of $^{137}Cs(\gamma, n)$ cross section by nuclear recoil separation method A329 (1993) 188
Yamaguchi, S., see Matsumoto, H. A330 (1993) 1
Yamaki, T., see Uno, S. A330 (1993) 55
Yamamoto, H., see Ikuta, T. A323 (1992) 697
Yamamoto, H., see Alexander, J.P. A326 (1993) 243
Yamamoto, K., see Teraoka, K. A324 (1993) 276
Yamamoto, K., see Saito, K. A326 (1993) 204

Yamamoto, K., K. Yamamura, K. Saito, M. Konmura, M. Nakamura and K. Niwa, A study on the interstrip capacitance of double-sided silicon strip detectors ... A326 (1993) 222
Yamamoto, N., see Watanabe, T. ... A327 (1993) 31
Yamamoto, T., see Yoshida, M. ... A330 (1993) 158
Yamamura, K., see Teraoka, K. ... A324 (1993) 276
Yamamura, K., see Saito, K. ... A326 (1993) 204
Yamamura, K., see Yamamoto, K. ... A326 (1993) 222
Yamamuro, K., see Fuwa, K. ... A328 (1993) 592
Yamano, T., see Horiuchi, N. ... A324 (1993) 574
Yamanoi, Y., see Kobayashi, M. ... A328 (1993) 501
Yamanoi, Y., see Kobayashi, M. ... A330 (1993) 115
Yamaoka, H., see Uno, S. ... A330 (1993) 55
Yamazaki, T., I. Katayama and Y. Uwamino, Possibility of a crossed-beam experiment involving slow-neutron capture by unstable nuclei – "rapid-process tron" ... A325 (1993) 489
Yamazaki, T., see Morita, N. ... A330 (1993) 439
Yamazaki, Y., T. Kurihara, H. Kobayashi, I. Sato and A. Asami, High-precision pepper-pot technique for a low-emittance electron beam ... A322 (1992) 139
Yamin, P., see DØ Collaboration ... A324 (1993) 53
Yanagida, H., see Fuwa, K. ... A328 (1993) 592
Yanagimachi, T., see Hasebe, N. ... A325 (1993) 335
Yang Bingfan see Guan Xialing ... A328 (1993) 34
Yang, B.X., Fresnel and refractive lenses for X-rays ... A328 (1993) 578
Yang, B.Z., see Adeva, B. ... A323 (1992) 109
Yang, C., see Dymnikov, A. ... A328 (1993) 164
Yang, C.G., see Adeva, B. ... A323 (1992) 109
Yang, J., see DØ Collaboration ... A324 (1993) 53
Yang, M.-J., see DØ Collaboration ... A324 (1993) 53
Yang, Q.Y., see Adeva, B. ... A323 (1992) 109
Yanokura, M., see Sugai, I. ... A329 (1993) 46
Yanovsky, V.V., see Seliverstov, D.M. ... A324 (1993) 609
Yao, N.-G., see Chen, T.-Y. ... A329 (1993) 479
Yasaka, Y., see Hirai, Y. ... A327 (1993) 256
Yasu, Y., see Takeuchi, Y. ... A328 (1993) 526
Yasuoka, K., see Apollinari, G. ... A324 (1993) 475
Ye, C.H., see Adeva, B. ... A323 (1992) 109
Ye, Z., R.K. Sood, D.P. Sharma, R.K. Manchanda and K.B. Fenton, Gas amplification in high pressure proportional counters ... A329 (1993) 140
Yegneswaran, A., see Barbosa, F.J. ... A323 (1992) 191
Yen, S., see Lee, L. ... A327 (1993) 287
Yeremin, A.V., see Andreyev, A.N. ... A330 (1993) 125
Yin, M., see Oh, S.H. ... A325 (1993) 142
Yin Zhiwen, see Xu Zizong ... A322 (1992) 239
Yodh, G.B., see Alexandreas, D.E. ... A328 (1993) 570
Yonezawa, C., A.K. Haji Wood, M. Hoshi, Y. Ito and E. Tachikawa, The characteristics of the prompt gamma-ray analyzing system at the neutron beam guides of JRR-3M ... A329 (1993) 207
Yoo, S.H., see Triple Collaboration ... A326 (1993) 549
Yoshida, H., see Katagiri, M. ... A327 (1993) 463
Yoshida, K., see Futami, Y. ... A326 (1993) 513
Yoshida, M., T. Yamamoto, Y. Wu, T. Aratani, A. Uritani and C. Mori, Direct measurement of gaseous activities by diffusion-in long proportional counter method ... A330 (1993) 158
Yoshida, R., see Frabetti, P.L. ... A329 (1993) 62
Yoshida, T., see Tajima, S. ... A326 (1993) 407
Yoshida, Y., T. Ueda, T. Kobayashi, H. Shibata and S. Tagawa, Studies of geminate ion recombination and formation of excited states in liquid n-dodecane by means of a new picosecond pulse radiolysis system ... A327 (1993) 41
Yoshida, Y., see Shibata, H. ... A327 (1993) 53
Yoshida, Y., see Nakanishi, H. ... A328 (1993) 596
Yoshikawa, C., see DØ Collaboration ... A324 (1993) 53
Yoshimura, Y., see Kichimi, H. ... A325 (1993) 451
Yoshimura, Y., see Ichige, M. ... A327 (1993) 144
Yoshioka, K., see Bingefors, N. ... A326 (1993) 112
Yoshizawa, J., see Tomizawa, M. ... A326 (1993) 399

Yoshizawa, M., see Tomizawa, M. A326 (1993) 399
You, K., see Bencheikh, B. A323 (1992) 398
Young, L., see Gilman, R. A327 (1993) 277
Young, B.A., see Shutt, T. A326 (1993) 166
Youssef, S., see DØ Collaboration A324 (1993) 53
Ypsilantis, T., see Séguinot, J. A323 (1992) 583
Ypsilantis, T., see French, M. A324 (1993) 511
Yu, B., see Smith, G.C. A323 (1992) 78
Yu, B., V. Radeka, G.C. Smith and E. O'Brien, Interpolating cathode pad readout in gas proportional detectors for high multiplicity particle tracks A323 (1992) 413
Yu, J., see DØ Collaboration A324 (1993) 53
Yu Song, The simulation of the micropulse evolution for an RF-FEL A330 (1993) 487
Yu Song, Backbombardment, phase length and transport process for BFEL A330 (1993) 495
Yu Yunfeng see Guan Xialing A328 (1993) 34
Yuan, V.W., see Triple Collaboration A326 (1993) 549
Yuan, V.W., R.C. Connolly, R.C. Garcia, K.F. Johnson, K. Saadatmand, O.R. Sander, D.P. Sandoval and M.A. Shinas, Measurement of longitudinal phase space in an accelerated H^- beam using a laser-induced neutralization method A329 (1993) 381
Yuan Xianglong, see Xu Zizong A322 (1992) 239
Yuasa-Nakagawa, K., see Futami, Y. A326 (1993) 513
Yu-Chiu Chao and Pisin Chen, Higher order effects in beam–beam deflection A323 (1992) 569
Yudin, Yu.V., see Anashkin, E.V. A323 (1992) 178
Yugami, N., see Nakanishi, H. A328 (1993) 596
Yurchenko, V.I., see Aulchenko, V.M. A327 (1993) 193
Yurkov, M.V., see Saldin, E.L. A322 (1992) 293
Yushko, E.G., see Britvich, G.I. A326 (1993) 483
Yuta, H., see Hasegawa, Y. A327 (1993) 57
Yuta, H., see Masuda, K. A327 (1993) 134
Yvon, D., see Shutt, T. A326 (1993) 166

Zaccone, H., see Aubert, B. A321 (1992) 467
Zaccone, H., see Aubert, B. A325 (1993) 116
Zaccone, H., see RD3 Collaboration A330 (1993) 405
Zacek, G., see CHARM-II Collaboration A325 (1993) 92
Zacek, V., see CHARM-II Collaboration A325 (1993) 92
Zadneprovsky, B.I., see Baryshevsky, V.G. A322 (1992) 231
Zadro, M., see Blagus, S. A321 (1992) 271
Zagato, S., see Affatato, S. A325 (1993) 417
Zaika, N.I., see Vishnevsky, I.N. A328 (1993) 39
Zając, J., see Bobrowski, M. A323 (1992) 309
Zajfman, D., see Kella, D. A329 (1993) 440
Zajfman, J., see Kella, D. A329 (1993) 440
Zalewska, A., see Bingefors, N. A328 (1993) 447
Zallo, A., see Frabetti, P.L. A329 (1993) 62
Zallo, A., see Anzivino, G. A329 (1993) 521
Zanabria, M.E., see Frabetti, P.L. A329 (1993) 62
Zanella, G., see Ottonello, P. A323 (1992) 485
Zanella, G., see Pavan, P. A327 (1993) 600
Zanello, D., see CHARM-II Collaboration A325 (1993) 92
Zanello, D., see Asmone, A. A326 (1993) 477
Zanello, D., see Bressi, G. A327 (1993) 163
Zanello, L., see Bacci, C. A324 (1993) 83
Zannoni, R., see Ottonello, P. A323 (1992) 485
Zannoni, R., see Pavan, P. A327 (1993) 600
Zanotti, L., see Bellotti, E. A323 (1992) 125
Zapfe, K., see Düren, M. A322 (1992) 13
Zapfe, K., see Barber, D.P. A329 (1993) 79
Zapfe, K., see Stenger, J. A330 (1993) 21
Zappa, F., see Lacaita, A. A326 (1993) 290
Zashkvara, V.V. and N.N. Tyndyk, Axially symmetric multipole in magnetic analyzers A321 (1992) 439

Zashkvara, V.V. and N.N. Tyndyk, Two-sector electrostatic deflector based on superposition of cylindrical field and axially symmetric multipoles A328 (1993) 416
Zavaljevski, N., see Marinković, P. A321 (1992) 333
Zavarzin, V.G., see Anashkin, E.V. A323 (1992) 178
Zavattini, G., see Affatato, S. A325 (1993) 417
Zawisky, M., see Terburg, B.P. A324 (1993) 247
Zazula, J.M., see Dworak, D. A321 (1992) 589
Zech, G., see Chaves, H. A329 (1993) 243
Zein, C., see Atiya, M.S. A321 (1992) 129
Zeinalov, Sh.S., see Andreyev, A.N. A330 (1993) 125
Zell, K.O., see Altmann, J. A321 (1992) 59
Zeller, R., see DØ Collaboration A324 (1993) 53
Zeps, V.J., see Sum, V. A326 (1993) 489
Zetsche, F., see Düren, M. A322 (1992) 13
Zetsche, F., see Barber, D.P. A329 (1993) 79
Zetta, L., see Caccia, M. A321 (1992) 348
Zeuner, W., see Baines, J.T.M. A325 (1993) 271
ZEUS–BAC Group, see Kowalski, T.Z. A323 (1992) 289
ZEUS–BAC Group, see Bobrowski, M. A323 (1992) 309
Zeyrek, M., see Brandt, A. A327 (1993) 412
Zhan, W., see Liu, G. A322 (1992) 243
Zhang Canzhe, see Guan Xialing A328 (1993) 34
Zhang, G., see Beretvas, A. A329 (1993) 50
Zhang, J., see Lund, J.C. A322 (1992) 464
Zhang, J., K.S. Shah, F. Olschner, J.C. Lund, L.P. Moy, K. Daley, L. Cirignano and M.R. Squillante, An improvement in growing large, oriented lead iodide single crystals for detector applications A322 (1992) 499
Zhang, J., see Olschner, F. A322 (1992) 504
Zhang, J., see Shah, K.S. A322 (1992) 509
Zhang, J., see McCammon, D. A326 (1993) 154
Zhang, R., I. Ben-Zvi and J. Xie, A self-adaptive feedforward rf control system for linacs A324 (1993) 421
Zhang, W., see Alexandreas, D.E. A328 (1993) 570
Zhang, X., see Akopyan, M. A330 (1993) 465
Zhang, Z.P., see Adeva, B. A323 (1992) 109
Zhang, Z.P., see Innocente, V. A323 (1992) 647
Zhang Guangming, see Iori, I. A325 (1993) 458
Zhang Jidong, see Deng Yusheng A328 (1993) 101
Zhang Tiaorong, see Si Houzhi A328 (1993) 207
Zhang Weizhong, see Si Houzhi A328 (1993) 207
Zhang Yuzhao, see Iori, I. A325 (1993) 458
Zhao, C., see Beretvas, A. A329 (1993) 50
Zhao, K.H., see Etkin, A. A323 (1992) 224
Zhao Dezhong, see Deng Yusheng A328 (1993) 101
Zheng, H.W., see Ueno, K. A323 (1992) 601
Zhigunov, V.P., see Anykeyev, V.B. A322 (1992) 280
Zhilin, A.V., see Gobbi, A. A324 (1993) 156
Zhmurova, Z.I., see Antipov, A.V. A327 (1993) 346
Zhou, J., see Liu, G. A322 (1992) 243
Zhou, M., see Benetti, P. A327 (1993) 173
Zhou, M., see Benetti, P. A327 (1993) 203
Zhou, M., see Benetti, P. A329 (1993) 361
Zhou, X., see Anzivino, G. A329 (1993) 521
Zhou, Y., see Beretvas, A. A329 (1993) 50
Zhou, Y.H., see DØ Collaboration A324 (1993) 53
Zhu, J., see Cairns, E.B. A321 (1992) 109
Zhu, Q., see DØ Collaboration A324 (1993) 53
Zhu, Q., see Aihara, H. A325 (1993) 393
Zhu, X., see Triple Collaboration A326 (1993) 549
Zhu, Y., see Liu, G. A322 (1992) 243
Zhu, Y., see Etkin, A. A323 (1992) 224
Zhu, Y., see Anderson, W.S. A323 (1992) 273
Zhu Jinhau, see Si Houzhi A328 (1993) 207

Zhuk, V.V., see Vishnevsky, I.N. A328 (1993) 39
Zhukov, V., see Budagov, Yu. A330 (1993) 458
Zibrov, I.P., see Buzulutskov, A.F. A322 (1992) 235
Zichichi, A., see Beaumont, S.P. A321 (1992) 172
Zichichi, A., see Beaumont, S.P. A322 (1992) 472
Zichichi, A., see Williams, M.C.S. A323 (1992) 252
Zichichi, A., see Beaumont, S.P. A326 (1993) 313
Zichichi, A., see Crotty, I. A329 (1993) 133
Ziegler, R., see EDDA Collaboration A329 (1993) 151
Zieminska, D., see DØ Collaboration A324 (1993) 53
Zieminski, A., see DØ Collaboration A324 (1993) 53
Zimmer, K.W., see Iacob, V.E. A325 (1993) 373
Zimmerman, J., see Demortier, L. A324 (1993) 77
Zinets, O.S., see Rosenfeld, A.B. A326 (1993) 234
Zink, R., see Brecht, D. A323 (1992) 60
Zinkann, G., see Bollinger, L.M. A328 (1993) 221
Ziock, H.J., see Barberis, E. A326 (1993) 373
Ziolkowski, M., see Roderburg, E. A323 (1992) 140
Ziółkowski, M., see Dahmen, M. A323 (1992) 542
Ziomi, L., see Pengo, R. A328 (1993) 242
Žlimen, I., see Ljubičić, A. A325 (1993) 545
Zoccoli, A., see Affatato, S. A325 (1993) 417
Zogg, H., see Tiwari, A.N. A322 (1992) 352
Zoll, J., see Crystal Barrel Collaboration A321 (1992) 69
Zolnierowski, Y.P., see Aubert, B. A321 (1992) 467
Zolnierowski, Y.P., see Aubert, B. A325 (1993) 116
Zolnierowski, Y.P., see RD3 Collaboration A330 (1993) 405
Zong-ying Wei and Ren-yuan Zhu, A study on undoped CsI crystals A326 (1993) 508
Zoran, V., see Iacob, V.E. A325 (1993) 373
Zoran, V., see Marinescu, L. A328 (1993) 90
Zorn, C., see Majewski, S. A323 (1992) 489
Zorn, C., see Weisenberger, A. A327 (1993) 500
Zorzi, G.D., see Asmone, A. A326 (1993) 477
Zotov, A., see DØ Collaboration A324 (1993) 53
Zotto, P., see Bakker, F. A330 (1993) 44
Zsembery, J., see Brandt, A. A327 (1993) 412
Zubarev, E.V., see Bychkov, V.N. A325 (1993) 158
Zucchiatti, A., P. Levi Sandri, C. Schaerf, A.A. Cowley, J.V. Pilcher, L. Mazzaschi, M. Alghinolfi, N. Bianchi, L. Casano, P. Corvisiero, A. D'Angelo, E. De Sanctis, G. Gervino, B. Girolami, V. Lucherini, V. Mokeev, V. Muccifora, P. Picozza, E. Polli, A.R. Reolon, G. Ricco, M. Ripani, P. Rossi, M. Sanzone and M. Taiuti, Response of BGO sectors to protons up to 170 MeV A321 (1992) 219
Zucchiatti, A., see Anghinolfi, M. A324 (1993) 191
Zucht, B., see Detemple, P. A321 (1992) 479
Zupancic, C., see Crystal Barrel Collaboration A321 (1992) 69
Zweizig, J., see Brandt, A. A327 (1993) 412
Zylberstejn, A., see DØ Collaboration A324 (1993) 53
Zyuzin, L.N., see Baranov, V.T. A328 (1993) 413

Nuclear Instruments and Methods in Physics Research A
North-Holland

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH
Section A

Subject index to volumes A321–A330

Accelerators, Beam Handling and Targets

Observations of a fast transverse instability in the PSR, Neuffer, D., E. Colton, D. Fitzgerald, T. Hardek, R. Hutson, R. Macek, M. Plum, H. Thiessen and T.-S. Wang ... A321 (1992) 1
Observation and cure of severe Q-degradation of superconducting niobium cavities, Stascheck, A., H.-D. Gräf, A. Richter, T. Rietdorf, E. Spamer, E. Bär and H. Wipf ... A321 (1992) 13
High accuracy beam energy measurement for linear and circular accelerators, Karabekov, I.P. and R. Rossmanith ... A321 (1992) 18
Polarization of electron beams in high energy storage rings. Part I. Convergence of perturbation theory, Mane, S.R. ... A321 (1992) 21
Polarization of electron beams in high energy storage rings. Part II. Series expansion with tune modulation, Mane, S.R. ... A321 (1992) 42
A new 1–2 GeV/c separated beam for BNL, Pile, P.H., D. Beavis, R.L. Brown, R. Chrien, G. Danby, J. Jackson, D.M. Lazarus, W. Leonhardt, C. Pearson, A. Pendzick, P. Montemurro, T. Russo, J. Sandberg, R. Sawafta, C. Spataro, J. Walker and H.A. Enge ... A321 (1992) 48
Beam-induced bumps in plunger targets, a threshold effect, Altmann, J., A. Dewald, K.O. Zell and P. von Brentano ... A321 (1992) 59
Broad beam electron sources with plasma cathodes, Koval, N.N., E.M. Oks, P.M. Schanin, Yu.E. Kreindel and N.V. Gavrilov ... A321 (1992) 417
High power circulator for the 433.3 MHz proton linac, Shirai, T., M. Inoue, Y. Iwashita, A. Noda, H. Takekoshi and S. Tsuruoka ... A321 (1992) 429
A method for calculating phase-space densities in ion-optical systems, Hanelt, E. and K.-H. Schmidt ... A321 (1992) 434
Axially symmetric multipole in magnetic analyzers, Zashkvara, V.V. and N.N. Tyndyk ... A321 (1992) 439
A new derivation of the generalized Courant–Snyder theory with coupling, Dattoli, G., C. Mari, L. Mezi and A. Torre ... A321 (1992) 447
The synchrotron beam emittance with internal targets, Hinterberger, F. and D. Prasuhn ... A321 (1992) 453
Calculation of pressure profiles in accelerators using a matrix method, M. Michel ... A322 (1992) 1
Medium field rf transitions for polarized beams of hydrogen and deuterium, A.D. Roberts, P. Elmer, M.A. Ross, T. Wise and W. Haeberli ... A322 (1992) 6
Test of a polarized hydrogen gas target based on the storage cell technique, M. Düren, Z. Moroz, M. Veltri, K. Zapfe, H. Mairon, M. Metzger, B. Povh, K. Rith, E. Steffens, F. Stock, D. Toporkov, F. Zetsche, T.-A. Shibata, D. Fick, W. Korsch, G. Graw, W. Haeberli and G.T. Garvey ... A322 (1992) 13
High-precision pepper-pot technique for a low-emittance electron beam, Y. Yamazaki, T. Kurihara, H. Kobayashi, I. Sato and A. Asami ... A322 (1992) 139
Effect of beam position measurement errors on closed orbit correction in a synchrotron, T. Nakanishi, T. Nakagawa and H. Tanaka ... A322 (1992) 146
Resonant beam extraction scheme with constant separatrix, K. Hiramoto and M. Nishi ... A322 (1992) 154
Fundamental processes determining the highly charged ion production in ECR ion sources, G. Shirkov ... A322 (1992) 161
Generation of self-pulsed multiple charged ions by an XeCl excimer laser, A. Luches, M. Martino, V. Nassisi, A. Pecoraro and A. Perrone ... A322 (1992) 166
Transient response of the beam after injection into a storage ring, H. Moshammer ... A323 (1992) 553
Higher order effects in beam–beam deflection, Yu-Chiu Chao and Pisin Chen ... A323 (1992) 569
Fringing-field integrals of clamped quadrupoles, H. Irnich, B. Pfreundtner, B. Hartmann and H. Wollnik ... A323 (1992) 580
Beam optics studies. Transport from USP Pelletron exit to linac entrance, J.C. Acquadro, E. Farrelli Pessoa and O. Sala ... A324 (1993) 1
Effects due to linear coupling, to the second-order in the skew-quadrupole strengths, V. Garczynski ... A324 (1993) 7
A laser pulse stretcher made from optical fibres, D. Hanna and J.W. Mitchell ... A324 (1993) 14
Quick polarization analyzer (QPAN), I. Supek, M.W. McNaughton, K. Koch, N. Tanaka, R.D. Ransome, D.A. Ambrose, K.H. McNaughton, P.J. Riley, G. Glass, J. Hiebert, L. Northcliffe, A.J. Simon, D.L. Adams, R. Jeppesen, H. Spinka and G. Tripard ... A324 (1993) 19

0168-9002/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

Stabilization of the detuning in collinear laser spectroscopy on ion beams, A. Kastberg, F. Heijkenskjöld and A. Arnesen ... A324 (1993) 23
Compensation schemes for an experimental solenoid installed in an anti-symmetric lattice, V. Garczynski ... A324 (1993) 28
On increasing the bent crystal extraction efficiency by using a thin internal target, A.A. Asseev, E.A. Myae, S.V. Sokolov and Yu.S. Fedotov ... A324 (1993) 31
A spin manipulator for electron accelerators, D.A. Engwall, B.M. Dunham, L.S. Cardman, D.P. Heddle and C.K. Sinclair ... A324 (1993) 409
A self-adaptive feedforward rf control system for linacs, R. Zhang, I. Ben-Zvi and J. Xie ... A324 (1993) 421
Measurement of beam polarization using the $D(\vec{d}, p)^3H$ reaction, A.A. Naqvi and G. Clausnitzer ... A324 (1993) 429
A high precision Q-meter for the measurement of proton polarization in polarised targets, G.R. Court, D.W. Gifford, P. Harrison, W.G. Heyes and M.A. Houlden ... A324 (1993) 433
Construction of a high frequency quadrupole magnet used to cure transverse coupled-bunch instabilities, S. Sakanaka, T. Mitsuhashi, A. Ueda and M. Izawa ... A325 (1993) 1
Super slow extraction at the SSC using channeling in a bent crystal, B.S. Newberger, H.-J. Shih and J.A. Ellison ... A325 (1993) 9
Optical study of stresses in the column glasses of the IPNE FN Van de Graaff tandem accelerator, V.E. Iacob, M. Parlog, A. Demian, I. Mihai, V. Zoran, L. Trache, K.W. Zimmer and C. Borcea ... A325 (1993) 373
A spin rotator for producing a longitudinally polarized electron beam with MAMI, K.-H. Steffens, H.G. Andresen, J. Blume-Werry, F. Klein, K. Aulenbacher and E. Reichert ... A325 (1993) 378
Performance of the 6 MeV injector for the Moscow racetrack microtron, A.S. Alimov, A.S. Chepurnov, O.V. Chubarov, I.V. Gribov, B.S. Ishkhanov, I.M. Piskarev, A.G. Rzhanov, M.A. Sotnikov, I.V. Surma, A.V. Shumakov, V.I. Shvedunov, A.V. Tiunov and V.A. Ushkanov ... A326 (1993) 391
Slow beam extraction at TARN II, M. Tomizawa, M. Yoshizawa, K. Chida, J. Yoshizawa, Y. Arakaki, R. Nagai, A. Mizobuchi, Y. Noda, K. Noda, M. Kanazawa, A. Ando, H. Muto and T. Hattori ... A326 (1993) 399
Measurements of the negative ion beam emittance for the JAERI tandem accelerator, S. Tajima, T. Yoshida and S. Kikuchi ... A326 (1993) 407
Polarization measurement for polarized gas targets, J.S. Price and W. Haeberli ... A326 (1993) 416
Test of a windowless storage cell target in a proton storage ring, M.A. Ross, W.K. Pitts, W. Haeberli, H.O. Meyer, S.F. Pate, R.E. Pollock, B. von Przewoski, T. Rinckel, J. Sowinski, F. Sperisen and P.V. Pancella ... A326 (1993) 424
Microstructure in the electron beam and the shape of tagging TDC spectra, L. Van Hoorebeke, D. Ryckbosch, C. Van den Abeele, R. Van de Vyver and J. Dias ... A326 (1993) 608
Electron acceleration using laser-driven photoconductive switching, C. Bamber, W. Donaldson, E. Lincke and A.C. Melissinos ... A327 (1993) 227
Traveling wave acceleration of protons, D. Tronc ... A327 (1993) 253
Design and performance of beamline BL-8 at the photon factory, Y. Hirai, I. Waki, K. Hayakawa, K. Kuroishi, Y. Yasaka, N. Kanaya, Y. Satow and S. Sato ... A327 (1993) 256
A method for precise calibration of electron beam energy, P. Galumian, C. Joseph, J.-P. Perroud, M.-T. Tran and M. Werlen ... A327 (1993) 269
A polarized gas internal target using a storage cell in an electron storage ring, R. Gilman, R.J. Holt, E.R. Kinney, R.S. Kowalczyk, J. Napolitano, A.W. Nikitin, D.M. Nikolenko, S.G. Popov, D.H. Potterveld, I.A. Rachek, D.K. Toporkov, E.P. Tsentalovich, B.B. Wojtsekhowski and L. Young ... A327 (1993) 277
An active segmented target for studying hypernuclear production, L. Lee, D.R. Gill, A. Olin, S. Yen, S. Ajimura, H. Ejiri, A. Higashi, G. Inoue, T. Kishimoto, F. Nakamura, H. Noumi, T. Fukuda, O. Hashimoto and T. Shibata ... A327 (1993) 287

Proceedings of the 6th International Conference on Electrostatic Accelerators and Associated Boosters (1–5 June 1992, Padova, Italy)

Section I. Electrostatic accelerators

Tandems as injectors for synchrotrons, A.G. Ruggiero ... A328 (1993) 3
The Daresbury tandem. A review 1970–92, T.W. Aitken ... A328 (1993) 10
A new high gradient accelerating tube, M. Letournel ... A328 (1993) 25
Recent developments in electrostatic accelerator technology at NEC, J.A. Ferry ... A328 (1993) 28
The first five years' experience with the HI-13 tandem accelerator at CIAE, Guan Xialing, Qin Jiuchang, Yang Bingfan, Zhang Canzhe, Yu Yunfeng, Du Xueren and Ge Jiyun ... A328 (1993) 34
The tandem accelerator at the Institute for Nuclear Research, Kiev, I.N. Vishnevsky, Yu.I. Totsky, E.N. Mozhzhukhin, N.I. Zaika, V.V. Zhuk and Ya.I. Boyko ... A328 (1993) 39
Conversion of the Oxford Van de Graaff into an electron accelerator, G. Doucas, J.H. Mulvey and M. Omori A328 (1993) 41
A high current tandem accelerator, G. Proudfoot, A.J.T. Holmes, R. McAdams and L. Lea ... A328 (1993) 47

The Munich MP-8 tandem: status after installation of extended VHV tubes, H. Münzer and L. Rohrer A328 (1993) 52
Development of the "AJGES" accelerator, J. Kopczynski and S. Samek A328 (1993) 56
Tubeless vacuum insulated Cockroft–Walton accelerator, G. Brautti, A. Boggia, L.L. Gala, V. Stagno, A. Rainò, V. Valentino, V. Variale, N. Ceci and I. Boscolo A328 (1993) 59
Recent improvements of the tandem facility at LNS, G. Ciavola, L. Calabretta, G. Cuttone, S. Gammino, G. Raia, D. Rifuggiato, A. Rovelli and V. Scuderi A328 (1993) 64
A model to describe the bremsstrahlung spectrum produced by a positive-ion Van de Graaff accelerator, E. Andrade and M. Castañeda A328 (1993) 68
The behaviour of the charging system of the Vivitron for the first voltage tests, J.-M. Helleboid A328 (1993) 72
Initial commissioning of the HV electrostatic generator for the Vivitron project, J.M. Helleboid A328 (1993) 76
Transients in the Vivitron, C.M. Cooke, G. Frick and M. Roumie A328 (1993) 80
Straight acceleration tube of axial gradient modulation using dish-shaped electrodes, L. Bartha, Á.Z. Kiss, E. Koltay, A. Nagy, Gy. Szabó and J. Félszerfalvi A328 (1993) 86
Earthquake protection and other improvements to the Bucharest FN tandem accelerator, L. Marinescu, G. Pascovici, V. Zoran, R. Dumitrescu, T. Sireteanu, E. Iordăchescu, I. Filimon and A. Winkler A328 (1993) 90
Testing and operation of the 15UD Pelletron at NSC, D. Kanjilal, S. Chopra, M.M. Narayanan, I.S. Iyer, V. Jha, R. Joshi and S.K. Datta A328 (1993) 97
The laddertron for a 6 MV tandem, Deng Yusheng, Lai Weiquan, Zhao Dezhong, Sun Guangkui, Feng Shuqing and Zhang Jidong A328 (1993) 101
Performance of the Cologne FN tandem with a combination of Dowlish and HVEC tubes, A. Dewald and L. Steinert A328 (1993) 104

Section II. Control systems, ion sources and injectors, ancillary equipment

Modern tandem control systems, J.R. Lutz and J.C. Marsaudon A328 (1993) 113
Development of the beam transport and control systems of the Yale ESTU tandem, H.R.McK. Hyder, J. Ashenfelter, J. Baris, C.K. Bockelman and R.O. Hamburger A328 (1993) 126
Resistor assemblies, their development and performance, D.C. Weisser A328 (1993) 138
Recent development of negative heavy ion sources, Y. Mori A328 (1993) 146
A simple positive/negative surface ionization source, G.D. Alton, M.T. Johnson and G.D. Mills A328 (1993) 154
Upgrading of the Heidelberg accelerator facility with a new high current injector, M. Grieser, H. Deitinghoff, D. Habs, R. von Hahn, E. Jaeschke, C.-M. Kleffner, V. Kössler, S. Papureanu, R. Repnow, M.-H. Rhee, D. Schwalm and A. Schempp A328 (1993) 160
The effect of space charge on beam transport through the injection system of the Lund Pelletron accelerator, A. Dymnikov, R. Hellborg, J. Pallon, G. Skog, C. Yang and G. Ohlén A328 (1993) 164
New plant for fabricating carbon stripper foils by laser plasma ablation deposition, G. Dollinger, P. Maier-Komor, C.M. Frey, E. Hammann and H.J. Körner A328 (1993) 168
The microbeam facility of the AN-2000 accelerator of the Laboratori Nazionali di Legnaro, D. Bollini, F. Cervellera, G.P. Egeni, P. Mazzoldi, G. Moschini, P. Rossi and V. Rudello A328 (1993) 173
Final version of the pick-up wheels in the Pelletron tandem accelerator at Lund, K. Håkansson and R. Hellborg A328 (1993) 183
Test of the bunching system for tandem beams, L. Calabretta, S. Gammino and G. Amata A328 (1993) 186
Improved voltage gradient control system for electrostatic accelerators, N.L. Jones and P.F. Dittner A328 (1993) 191
Automation of procedures for locking ALPI resonators, G. Bassato, A. Battistella, M. Bellato and S. Canella . A328 (1993) 195
A universal link for transmission and remote control, S. Samek A328 (1993) 199
Performance characteristics of a multiple-sample, cesium-sputter, negative ion source, G.D. Alton and M.T. Johnson A328 (1993) 202
A modified high-intensity Cs sputter negative-ion source with multi-target mechanism, Si Houzhi, Zhang Weizhong, Zhu Jinhau, Du Guangtian, Zhang Tiaorong and Gao Xiang A328 (1993) 207

Section III. Boosters, accelerating rf cavities and related equipment

Review of superconducting booster linacs, D.W. Storm A328 (1993) 213
First operational experience with the positive-ion injector of ATLAS, L.M. Bollinger, R.C. Pardo, K.W. Shepard, J.M. Bogaty, B.E. Clifft, F.H. Munson and G. Zinkann A328 (1993) 221
Construction of the JAERI tandem booster, T. Ishii, M. Shibata and S. Takeuchi A328 (1993) 231
Completion of the medium-β section of the ALPI SC-booster at LNL, G. Fortuna, A.M. Porcellato, G. Bassato, A. Battistella, M. Bellato, L. Bertazzo, G. Bezzon, G. Bisoffi, G. Buso, S. Canella, M. Cavenago, F. Cervellera, F. Chiurlotto, A. Dainelli, N. Dainese, M. De Lazzari, A. Facco, P. Favaron, M. Lollo, A. Lombardi, S. Marigo, M.F. Moisio, V. Palmieri, R. Pengo, M. Poggi, J.S. Sokolowski, L. Badan, M. Barbadillo, R. Pegoraro, R. Preciso and F. Scarpa A328 (1993) 236
Cryogenics and related topics of the ALPI linac, R. Pengo, P. Favaron, G.P. Buso, L. Ziomi, A. Beltramin, T. Contran and F. Poletto A328 (1993) 242

Fabrication and test of a superconducting RFQ, A. Jain, H. Wang, I. Ben-Zvi, P. Paul, J.W. Noé and A. Lombardi ... A328 (1993) 251
Present status and perspectives at LNS, G. Ciavola ... A328 (1993) 255
Commissioning of the ECR ion source Alice, M. Cavenago and G. Bisoffi ... A328 (1993) 262
Selection of charge for the ECR Alice without forming a waist, M. Cavenago ... A328 (1993) 266
Development of seven-gap resonators for the Heidelberg high current injector, R. von Hahn, M. Grieser, D. Habs, E. Jaeschke, C.-M. Kleffner, J. Liebmann, S. Papureanu, R. Repnow, D. Schwalm and M. Stampfer A328 (1993) 270
The bulk niobium resonators program at LNL, A. Facco and J.S. Sokolowski ... A328 (1993) 275
Rf accelerating cavity for COSY, C. Fougeron, G. Clerc, M. Langlois and M.P. Tardy ... A328 (1993) 279
Niobium sputtered quarter wave resonators, V. Palmieri, V.L. Ruzinov, S.Yu. Stark, O.B. Malishev, R. Preciso, A.M. Porcellato, L. Badan, J.S. Sokolowski, G.P. Buso, F. Chiurlotto and F. Poletto ... A328 (1993) 280
Progress in lead–copper resonator technology, J.W. Noé, J. Rico and H. Uto ... A328 (1993) 285
Freon plasma surface treatment for multipactoring, J.W. Noé ... A328 (1993) 291
ORION project: acceleration of ion clusters and highly charged biomolecules from 10 MeV to 1 GeV, P. Attal, S. Della-Negra, D. Gardès, J.D. Larson, Y. Le Beyec, R. Vienet-Legué and B. Waast ... A328 (1993) 293

Section IV. Applications and related fields

Opportunities with accelerated radioactive ion beams, D.K. Olsen ... A328 (1993) 303
Proposals for a radioactive ion beam facility at GANIL, M.P. Bourgarel, P. Bricault, A. Chabert, M. Duval, A. Joubert, Ch. Ricaud and P. Sortais ... A328 (1993) 321
Selection and design of the Oak Ridge Radioactive Ion Beam Facility target/ion source, G.D. Alton, D.L. Haynes, G.D. Mills and D.K. Olsen ... A328 (1993) 325
New developments and challenges in accelerator mass spectrometry, M. Paul ... A328 (1993) 330
Accelerator mass spectroscopy with ^{14}C and ^{26}Al at the University of Tsukuba, Y. Nagashima, S. Nakajima, T. Takahashi, T. Kaikura, G. Tajima, T. Hayakawa, K. Takahashi, J. Mukai, K. Shima, T. Aoki and K. Furuno A328 (1993) 338
Inverse free electron laser acceleration, M.P. Pato, M.S. Hussein and A.K. Kerman ... A328 (1993) 342
Nonlinear study of an harmonic free electron laser taking into account the space charge effect, J.M. Gong, L. Tecchio and S. Liu ... A328 (1993) 344

Section V. Conclusions and historical surveys

Electrostatic accelerators in the development of nuclear physics in Italy, R.A. Ricci ... A328 (1993) 355
From nuclear spectroscopy to nuclear matter, P.G. Bizzeti ... A328 (1993) 361
Concluding remarks, R. Repnow ... A328 (1993) 380

Operational experience with room temperature continuous wave accelerator structures, A.S. Alimov, B.S. Ishkhanov, I.M. Piskarev, V.I. Shvedunov and A.V. Tiunov ... A328 (1993) 385
Gauge invariance in the eikonal method, G.H. Hoffstätter and H. Rose ... A328 (1993) 398
Effect of a residual field of a C-shaped bending magnet on a beam in a synchrotron, H. Tanaka and T. Nakanishi ... A328 (1993) 402
The potentialities of H^- beam diagnostics by laser photodetachment electrons, A.S. Artiomov, A.A. Avidzba and A.S. Vartazarian ... A328 (1993) 408
The measuring unit for the longitudinal proton beam structure based on the CRT analog–digital recorder SRG7, V.T. Baranov, V.V. Borisov, G.G. Gurov, V.V. Rybak, S.E. Sidorov and L.N. Zyuzin ... A328 (1993) 413
Two-sector electrostatic deflector based on superposition of cylindrical field and axially symmetric multipoles, V.V. Zashkvara and N.N. Tyndyk ... A328 (1993) 416
Interaction of stored, cooled proton beams with fiber targets, B. v. Przewoski, H.O. Meyer, W. Lozowski, S.F. Pate, R.E. Pollock, T. Rinckel, P. Schwandt, F. Sperisen, W. deZarn, P. Heimberg and P.V. Pancella ... A328 (1993) 435
Wakefield accelerator using twin linacs *(Letter to the Editor)*, H. Nakanishi, A. Enomoto, A. Ogata, K. Nakajima, D. Whittum, Y. Yoshida, T. Ueda, T. Kobayashi, H. Shibata, S. Tagawa, N. Yugami and Y. Nishida ... A328 (1993) 596
Magnetic permeability of the iron yoke in high field superconducting magnets, S. Kawabata ... A329 (1993) 1
Second order single particle dynamics in quasi-isochronous storage rings and its application to the LNLS–UVX ring, Liu Lin and C.E.T. Gonçalves da Silva ... A329 (1993) 9
Beam instability due to higher-order modes of APS cavities in the Tristan accumulation ring, K. Hanaoka, Y. Funakoshi, H. Hayano, T. Higo and K. Satoh ... A329 (1993) 16
A noninterceptive heavy ion beam profile monitor based on residual gas ionization, R. Anne, Y. Georget, R. Hue, C. Tribouillard and J.L. Vignet ... A329 (1993) 21
Control of the bunch length on an electron storage ring, H. Hama, S. Takano and G. Isoyama ... A329 (1993) 29

Determination of the on-target polarization of an optically-pumped polarized lithium ion beam, A.J. Mendez, E.G. Myers, K.W. Kemper, P.L. Kerr, E.L. Reber and B.G. Schmidt A329 (1993) 37
A new technique for the preparation of very high purity enriched ^{100}Mo disk targets, I. Sugai, M. Aratani, M. Yanokura, H. Kato and T. Watanabe A329 (1993) 46
Beam loss monitor for superconducting accelerators, I.A. Kurochkin, S.N. Lapitsky, N.V. Mokhov and V.S. Seleznev A329 (1993) 367
A real time bunch-length monitor using the beam spectrum and measurements of bunch lengthening, T. Ieiri A329 (1993) 371
Measurement of longitudinal phase space in an accelerated H^- beam using a laser-induced neutralization method, V.W. Yuan, R.C. Connolly, R.C. Garcia, K.F. Johnson, K. Saadatmand, O.R. Sander, D.P. Sandoval and M.A. Shinas A329 (1993) 381
A nearly monochromatic cavity for high current storage rings, G. D'Auria, A. Fabris, A. Massarotti, C. Pasotti, C. Rossi and M. Svandrlik A329 (1993) 393
High power test of a SLED system with dual side-wall coupling irises for linear colliders, H. Matsumoto, H. Baba, S. Yamaguchi and A. Miura A330 (1993) 1
Beam–beam interaction with a horizontal crossing angle, D.L. Rubin, M. Billing, J. Byrd, T. Chen, Z. Greenwald, D. Hartill, J. Hylas, J. Kaplan, A. Krasnykh, R. Meller, S. Peck, T. Pelaia, D. Rice, D. Sagan, L.A. Schick, J. Sikora and J. Welch A330 (1993) 12
A compact polarization monitor for thermal beams of polarized hydrogen, J. Stenger, E. Steffens and K. Zapfe A330 (1993) 21
An electron probe as a stored beam diagnostic, R.E. Pollock, M. Klasen, J. Lash and T. Sloan A330 (1993) 27
Analytical formulae for the coupling coefficient β between a waveguide and a travelling wave structure (*Letter to the Editor*), J. Gao A330 (1993) 306
Matrix theory of the motion of a charged particle beam in curvilinear space–time. Part I. General theory, A. Dymnikov and R. Hellborg A330 (1993) 323
Matrix theory of the motion of a charged-particle beam in curvilinear space–time. Part II. Nonlinear theory. Formulae and algorithms, A. Dymnikov and R. Hellborg A330 (1993) 343
Solenoid and sextupole optics of ultra-cold atomic hydrogen beams, W.A. Kaufman A330 (1993) 363
Mass and charge measurement of trapped dust in the CESR storage ring, D. Sagan A330 (1993) 371
Beam loss rates with an internal gas target in an electron-cooled storage ring. Implications for luminosity optimization, R.E. Pollock, V. Derenchuk, X. Pei, T. Sloan, F. Sperisen, H.-O. Meyer, B. v. Przewoski, T. Rinckel, P. Pancella, M.A. Ross and W.K. Pitts A330 (1993) 380

Instruments and Methods for High Energy Physics

Radiation resistant multicomponent inorganic materials for homogeneous e.m. calorimeters, Britvich, G.I., V.G. Vasil'chenko, I.I. Buchinskaya, E.A. Krivandina, B.P. Sobolev, M. Kobayashi, V.A. Kozlov and M.M. Litvinov A321 (1992) 64
The Crystal Barrel spectrometer at LEAR, Crystal Barrel Collaboration, E. Aker, C. Amsler, I. Augustin, C.A. Baker, B.M. Barnett, C.J. Batty, R. Beckmann, P. Birien, J. Bistirlich, P. Blüm, R. Bossingham, H. Bossy, K. Braune, D.V. Bugg, M. Burchell, T. Case, S. Cierjacks, K.M. Crowe, K. Dederichs, M. Doser, W. Dünnweber, H. Emerich, D. Engelhardt, M.A. Faessler, C. Felix, G. Folger, J. Friedrich, R. Hackmann, R. Haddock, H. Hammer, F. Heinsius, N.P. Hessey, P. Illinger, D. Jamnik, H. Kalinowsky, B. Kämmle, T. Kiel, E. Klempt, H. Koch, C. Kolo, K. Königsmann, F. Krennrich, M. Kunze, R. Landua, J. Lüdemann, H. Matthaey, M. Merkel, J.P. Merlo, C.A. Meyer, U. Meyer-Berkhout, L. Montanet, A. Noble, K. Peters, W. Rohrbach, A.H. Sanjari, E. Schäfer, B. Schmid, W. Schott, K. Sidiropoulos, S. Spanier, A. Staude, Chr. Strassburger, U. Strohbusch, M. Suffert, C. Sutton, D. Urner, C. Völcker, D. Walther, S. Walther, Ch. Weddigen, U. Wiedner, N. Winter, J. Zoll and C. Zupancic A321 (1992) 69
The Saskatchewan–Alberta large acceptance detector for photonuclear physics, Cairns, E.B., J. Cameron, W.C. Choi, H.W. Fielding, P.W. Green, L.G. Greeniaus, E.D. Hackett, L. Holm, N.R. Kolb, E. Korkmaz, P.P. Langill, W.J. McDonald, D. Mack, W.C. Olsen, B.A. Peterson, N.L. Rodning, J. Soukup, J. Zhu, D. Hutcheon, H.S.Caplan, R.E. Pywell, D.M. Skopik, J.M. Vogt and I.J. van Heerden A321 (1992) 109
The xenon monitor of the L3 electromagnetic calorimeter, Bay, A., D. Duchesneau, P. Extermann, D. Goujon, R. Mermod, G. Morand, J. Ossmann, W. Ruckstuhl, T.P. Schaad and J. Wenninger A321 (1992) 119
A detector to search for $K^+ \to \pi^+ \nu\bar{\nu}$, Atiya, M.S., I.-H. Chiang, J.S. Frank, E. Garber, J.S. Haggerty, M. Ito, T.F. Kycia, K.K. Li, L.S. Littenberg, C. Ng, I. Polk, R. Rosenka, A.K. Sambamurti, A.J. Stevens, R.C. Strand, C. Zein, D.S. Akerib, H. Edwards, W.C. Louis, D.R. Marlow,P.D. Meyers, M.A. Selen, F.C. Shoemaker, A.J.S. Smith, S. Ahmad, E.W. Blackmore, D.A. Bryman, Chen Lejun, J.V. Cresswell, L. Felawka, N. Khan, P. Kitching, A. Konaka, Y. Kuno, J.A. Macdonald, T. Numao, P. Padley, J.-M. Poutissou, R. Poutissou, J. Roy, R. Soluk and A.S. Turcot A321 (1992) 129

Particle identification in modular electromagnetic calorimeters, Berger, F., D. Bock, G. Clewing, L. Dragon, R. Glasgow, G. Hölker, K.H. Kampert, T. Peitzmann, M. Purschke, B. Roters, R. Santo, K. Steffens, D. Stüken and A. Twyhues A321 (1992) 152
A comparison of CF_4 + hydrocarbon fast gases for drift chambers and straw tubes, Heinson, A.P. and D. Rowe A321 (1992) 165
Gallium arsenide microstrip detectors for charged particles, Beaumont, S.P., R. Bertin, C.N. Booth, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, C. del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, R. Gray, G. Hill, Y. Hou, P. Houston, G. Hughes, B.K. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V. O'Shea, P.G. Pelfer, C. Raine, J. Santana, I.J. Saunders, P.H. Seller, K. Shankar, P.H. Sharp, I.O. Skillicorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, U. Vanni, A. Vinattieri and A. Zichichi A321 (1992) 172
Afterpulses and decay times of fast scintillation counters for extensive air shower experiments, Sasaki, H., K. Ito, M. Kusunose, T. Horiki, T. Nakatsuka, S. Kino and Y. Hatano A321 (1992) 180
A study of the gas gain in carbon dioxide mixtures, Chakravarty, S. and J.C. Armitage A321 (1992) 186
Design and test of a prototype gas-sampling electromagnetic calorimeter of high granularity for the CPLEAR experiment, CPLEAR Collaboration, R. Adler, G. Backenstoss, P. Bloch, D. Damianoglou, P. Dechelette, M. Dröge, C. Felder, W. Fetscher, M. Fidecaro, D. Garreta, H.-J. Gerber, P. Gumplinger, H.U. Johner, J. Kern, P. Kokkas, U. Mall, F. Nanni, P. Pavlopoulos, M. Renevey, C. Santoni, A. Schopper, L. Tauscher, H. Wendler, B. Pagels and C. Witzig A321 (1992) 458
Performance of a liquid argon accordion calorimeter with fast readout, Aubert, B., A. Bazan, B. Beaugiraud, J. Colas, T. Leflour, M. Maire, J.P. Vialle, I. Wingerter-Seez, Y.P. Zolnierowski, H.A. Gordon, V. Radeka, D. Rahm, D. Stephani, J.L. Chevalley, C.W. Fabjan, D. Fournier, A. Franz, O. Gildemeister, P. Jenni, M. Nessi, F. Nessi-Tedaldi, M. Pepe, W. Richter, J. Soderqvist, J.M. Baze, L. Gosset, P. Lavocat, J.P. Lottin, B. Mansoulie, J.P. Meyer, J.F. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D.V. Camin, D. Cavalli, G. Costa, A. Cravero, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, G. Pessina, P. Sala, M. Sciamanna, E. Augé, R. Chase, J.C. Chollet, C. de la Taille, L. Fayard, P. Jean, L. Iconomidou-Fayard, B. Merkel, J.M. Noppe, G. Parrour, P. Pétroff, J.P. Repellin, A. Schaffer, N. Seguin, G. Unal, C. Fuglesang, M. Lefebvre and S. Towers A321 (1992) 467
The photon tagging system of the PHOENICS-experiment at ELSA, Detemple, P., K.H. Althoff, G. Anton, J. Arends, A. Bock, M. Breuer, K. Büchler, G. Nöldeke, M. Serwazi, W. Schneider, D. Urban and B. Zucht . A321 (1992) 479
A low mass field cage for a time projection chamber, Price, M.J. A321 (1992) 489
A scintillating fiber detector for electron and photon identification at high luminosity colliders, Hauser, J., M. Lindgren, Th. Müller, D. Neuberger, M. Albrow, G. Drake, J. Freeman, D.H. Kim, P.J. Limon, Y. Fukui, M. Mishina, V. Barnes, A. Laasenen, P. de Barbaro, A. Bodek, H.S. Budd, Q. Fan, W.K. Sakumoto, B. Winer, G. Apollinari, K. Goulianos, Q.F. Wang, S. White and C. Pauletta A321 (1992) 497
Improvement of multiwire chamber performance, Razin, V.I., V.A. Krasnov, A.B. Kuperin and V.S. Pantuev . A321 (1992) 504
Optimization of central particle tracking at future hadron colliders, C. D'Ambrosio, T. Gys, H. Leutz, U. Gensch and S. Schlenstedt A322 (1992) 20
The signal shape of a tower-type ionization calorimeter, R.N. Krasnokutsky, L.L. Kurchaninov, Yu.P. Petukhov, V.V. Sushkov and R.S. Shuvalov A322 (1992) 34
The fluorescent decay of CsI(Tl) scintillator for charged particles of different ionization density (*Letter to the Editor*), T. Masuda, M. Tomizawa, Y. Nagashima, N. Nakamoto and Y. Tagishi A322 (1992) 135
Sensitive region of air proportional counters and its dependence on the pressure, temperature and humidity of filling air, T. Aoyama, T. Sato, H. Muraki and C. Mori A322 (1992) 170
Radiation damage by neutrons and photons to silicon detectors, K. Gill, G. Hall, S. Roe, S. Sotthibandhu, R. Wheadon, P. Giubellino and L. Ramello A322 (1992) 177
Electron identification and the detection of synchrotron radiation with a preshower detector, P. Mélèse, R. Rusack, P. Cushman and V. Singh A322 (1992) 189
Dependence of hadron calorimeter energy resolution on the properties of a wavelength shifter, V.S. Rumyantsev A322 (1992) 207
Performance of a lead–scintillation-fiber calorimeter designed as an active beam shield for the VENUS detector, F. Takasaki, M. Utsumi, T. Fukui, Y. Narita, N. Hosoda, T. Hirose and M. Chiba A322 (1992) 211
Energy resolution for gamma-rays and electrons from ^{207}Bi in liquid Xe doped with TEA, H. Ichinose, T. Doke, A. Hitachi, J. Kikuchi, K. Masuda and E. Shibamura A322 (1992) 216
Ionization straggling of high energy muons in thick absorbers, S.I. Striganov A322 (1992) 225
Single crystals of tungsten compounds as promising materials for the total absorption detectors of the e.m. calorimeters, V.G. Baryshevsky, M.V. Korzhik, V.I. Moroz, V.B. Pavlenko, A.S. Lobko, A.A. Fyodorov, V.A. Kachanov, V.L. Solovjanov, B.I. Zadneprovsky, V.A. Nefyodov, P.V. Nefyodov, B.A. Dorogovin and L.L. Nagornaja A322 (1992) 231
A cerium fluoride scintillator coupled to a FEU-140 photomultiplier (*Letter to the Editor*), P. Kozma, S. Afanasiev, A. Malakhov and A. Povtoreiko A322 (1992) 302

Proceedings of the 6th International Wire Chamber Conference (Vienna, Austria, February 17–21, 1992)

Section I. Plenary talks

Applications of gaseous detectors in astrophysics, medicine and biology, F. Sauli A323 (1992) 1
Wire chambers for muon detectors on supercolliders, V.D. Peshekhonov A323 (1992) 12
Calorimeters using room temperature and noble liquids, T.S. Virdee A323 (1992) 22
Wire chamber gases, J. Va'vra A323 (1992) 34

Section II. Applications in medicine, biology, cosmic-ray and X-ray physics

Digital radiographic device, based on MWPC with improved spatial resolution, E.A. Babichev, S.E. Baru, A.G. Khabakhpashev, G.M. Kolachev, O.A. Ponomarev, G.A. Savinov and L.I. Shekhtman A323 (1992) 49
Study of the spatial resolution in gamma detectors using photosensitive wire chambers in view of their use as high resolution PET scanners, P. Bruyndonckx, Z. Shuping and S. Tavernier A323 (1992) 54
Cosmic ray tracking – a new approach to high-energy γ-astronomy, D. Brecht, S. Gamp, W. Hofmann, T. Kihm, J. Knöppler, V. Matheis, M. Panter, R. Reimers, M. Rosales, C. Wiedner, R. Zink, M. Feuerstack, J. Heintze, P. Lennert, S. Polenz and B. Stadler A323 (1992) 60
High resolution drift tube hodoscopes for cosmic ray studies, A.D. Tomasch A323 (1992) 65
A transition radiation detector for particle astrophysics experiments using low power consumption electronics, R. Bellotti, F. Cafagna, M. Calicchio, G. De Cataldo, C. De Marzo, O. Erriquez, C. Favuzzi, P. Fusco, N. Giglietto, B. Marangelli, A. Rainò, P. Spinelli and V. Stagno A323 (1992) 71
High rate, high resolution, two-dimensional gas proportional detectors for X-ray synchrotron radiation experiments, G.C. Smith, B. Yu, J. Fischer, V. Radeka and J.A. Harder A323 (1992) 78
SWAX – a dual-detector camera for simultaneous small- and wide-angle X-ray diffraction in polymer and liquid crystal research, P. Laggner and H. Mio A323 (1992) 86
A thin multiwire proportional chamber for imaging with UV light, X-rays and gamma rays, M. Starič, S. Korpar, D. Korbar and A. Stanovnik A323 (1992) 91
A multichannel position sensitive ionization chamber for X-ray intensity monitoring, V.K. Myalitsin, H.-J. Besch, H.W. Schenk and A.H. Walenta A323 (1992) 97
The ANI experiment: on the investigation of interactions from hadrons and nuclei in the energy range 10^3–10^5 TeV, T.V. Danilova, E.A. Danilova, A.B. Ezlikin, N.M. Nikolskaia, S.J. Nikolsky, V.A. Romachin, S.A. Slavatinsky, B.V. Subbotin, E.J. Tukich, K.M. Avakian, V.V. Avakian, J.C. Avakian, A.C. Amatuni, T.L. Asatiani, A.A. Chilingarian, A.P. Goviaka, V.A. Ivanov, E.A. Mamidjanian, R.M. Martirosov, S.G. Matinian, E.A. Mnatcakanian and S.V. Ter-Antonian A323 (1992) 104

Section III. Planar chambers

A high resolution muon detector, B. Adeva, M. Aguilar-Benitez, J. Alcaraz, A. Aloisio, M.G. Alviggi, D. Antreasyan, U. Becker, J. Berdugo, G.J. Bobbink, E. Brambilla, J.D. Branson, A. Bujak, C. Burgos, J.D. Burger, G. Carlino, M. Cerrada, Y.H. Chang, G. Chiefari, N. Colino, E. Drago, P. Duinker, I. Duran, F. Erne, R. Fabbretti, M. Fabre, S.S. Gau, M. Gettner, E. Gonzalez, H. Van Der Graaf, D. Guesewell, L.G. Gutay, F.G. Hartjes, G. Hu, V. Innocente, B.N. Jin, A.C. König, K.S. Kummar, S. Lanzano, J.M. Legoff, X. Leijtens, L. Li, C. Maña, Y.F. Mao, L. Martinez-Laso, G.G.G. Massaro, P. McBride, T. McMahon, L. Merola, H. Onvlee, G. Paternoster, S. Patricelli, Y. Peng, D. Piccolo, O. Prokofiev, J.M. Qian, P. Razis, B.C. Riemers, L. Romero, J.A. Rubio, H. Rykaczewski, J. Salicio, M. Sarakinos, A. Schetkovsky, P. Schmitt, J. Schütte, C. Sciacca, I.I. Scott, P.G. Seiler, V. Suvorov, K. Strauch, C. Timmermans, S. Volkov, J.H. Wang, Q.F. Wang, Z.M. Wang, T. Wenaus, M. White, R. Wilhelm, C. Willmott, B. Wysłouch, F.Y. Xi, B.Z. Yang, C.G. Yang, Q.Y. Yang, C.H. Ye and Z.P. Zhang A323 (1992) 109
Multielement proportional chamber – a study of background in the Gran Sasso underground laboratory, E. Bellotti, O. Cremonesi, E. Fiorini, G. Gervasio, P. Povinec, S. Ragazzi, L. Rossi, P.P. Sverzelatti, J. Szarka, T. Tabarelli de Fatis and L. Zanotti A323 (1992) 125
The transition radiation detector for ZEUS, TRD ZEUS Group A323 (1992) 135
Measurement of the spatial resolution and rate capability of an induction drift chamber, E. Roderburg, R. Bröders, M. Dahmen, G. Decker, K. Kilian, A. Kurtenbach, C. Lippert, W. Oelert, G. Sehl, O. Steinkamp, R. Stratmann, S. Walsh and M. Ziolkowski A323 (1992) 140

Section IV. Cylindrical chambers

The KEDR drift chamber, S.E. Baru, V.E. Blinov, V.R. Groshev, G.M. Kolachev, V.N. Kozlov, G.D. Minakov, A.P. Onuchin, A.V. Rylin, G.A. Savinov, A.G. Shamov and A.I. Shusharo A323 (1992) 151

The AMPIR spectrometer drift chamber, A.F. Sustavov, V.I. Baranov, V.A. Danilov, V.I. Kovinski, S.A. Korobko, O.O. Patarakin and V.V. Suslin A323 (1992) 157
The construction and performance of a large cylindrical wire chamber with cathode readout, K. Deiters, A. Donat, W. Friebel, R. Heller, S. Kirsch, R. Krankenhagen, W. Lange, R. Leiste, W. Lohmann, W. Lustermann, Y. Peng, U. Röser, F. Tonisch, G. Trowitzsch, H. Vogt and M. Wilhelmi A323 (1992) 162
Performance of the OPAL jet chamber, O. Biebel, B. Boden, S. Levegrün, A. Rollnik, S. Schreiber, R. Kowalewski, T. Behnke, H. Breuker, J. Hagemann, M. Hansroul, M. Hauschild, R.-D. Heuer, E. Prebys, E. Ros, Van Kooten, R., U. Binder, W. Mohr, O. Schaile, C. Wahl, P. Bock, H.M. Bosch, A. Dieckmann, G. Eckerlin, P. Igo-Kemenes, C. Tysarczyk-Niemeyer and von der Schmitt, H. A323 (1992) 169
Z-chamber and the trigger of the CMD-2 detector, E.V. Anashkin, V.M. Aulchenko, V.E. Fedorenko, G.V. Fedotovich, B.I. Khazin, A.V. Maximov, G.S. Piskunov, I.G. Snopkov, E.P. Solodov, V.M. Titov, V.G. Zavarzin and Yu.V. Yudin A323 (1992) 178
Spatial precision of H1 radial wire drift chambers using gas mixtures suitable for transition radiation detection, J.M. Bailey, G.A. Beck, S. Burke, J.B. Dainton, E. Gabathuler, D.M. Gillespie, A.M. Goodall, R. Martin, S.J. Maxfield, S.J. McMahon, J.M. Morton, G.D. Patel, D.P.C. Sankey, L.A. Womersley, H. Grässler, M. Hohlmann, G. Kemmerling, S. Masson, W. Pilgram, W. Struczinski, S. Kolya, D. Clarke, P.S. Flower, D. Hill and R. Marshall A323 (1992) 184
A drift chamber system for a toroidal detector, F.J. Barbosa, S. Christo, C. Cuevas, G. Doolittle, D.C. Doughty, C. Hutton, D. Joyce, B.A. Mecking, M.D. Mestayer, B. Niczyporuk, J.E. O'Meara, D. Tilles, W. Tuzel and A. Yegneswaran A323 (1992) 191
Results from beam tests of MEGA's low-mass, high-rate cylindrical MWPCs, S. Stanislaus, V. Armijo, J.K. Black, R.D. Bolton, S. Carius, M.D. Cooper, C. Espinoza, G. Hart, G. Hogan, A. Gonzales, R.E. Mischke, L.E. Piilonen, J. Sandoval, S. Schilling, J. Sena, G. Suazo, J.J. Szymanski, D.A. Whitehouse, C.A. Wilkinson, R. Fisk, D.D. Koetke, R.W. Manweiler and C.C. Jui A323 (1992) 198
Track reconstruction with the Bonn high pressure drift chamber, J. Arends, T. Dyroff, St. Huthmacher, G. Nöldeke and S. Wartenberg A323 (1992) 203

Section V. Time projection chambers

The DELPHI time projection chamber, Y. Sacquin A323 (1992) 209
Alignment of the ALEPH tracking devices, ALEPH Collaboration A323 (1992) 213
Performance of a mini-TPC, J.H. van Dijk A323 (1992) 220
Effects of high beam rates on TPCs, A. Etkin, S.E. Eiseman, K.J. Foley, R.W. Hackenburg, R.S. Longacre, W.A. Love, T.W. Morris, E.D. Platner, A.C. Saulys, S.J. Lindenbaum, T.J. Hallman, C.S. Chan, M.A. Kramer, K.H. Zhao, Y. Zhu, L. Madansky, G. Rai, S. Ahmad, B.E. Bonner, J.A. Buchanan, C.N. Chiou, J.M. Clement, G.S. Mutchler and J.B. Roberts A323 (1992) 224

Section VI. Microstrip gas detectors

A microstrip gas chamber with true two-dimensional and pixel readout, F. Angelini, R. Bellazzini, L. Bosisio, A. Brez, M.M. Massai, A. Perret, G. Spandre and M.R. Torquati A323 (1992) 229
Development of microstrip gas chambers with multi-chip technology, T. Nagae, T. Tanimori, T. Kobayashi and T. Miyagi A323 (1992) 236
High flux operation of microstrip gas chambers on glass and plastic supports, R. Bouclier, J.J. Florent, J. Gaudaen, G. Millon, A. Pasta, L. Ropelewski, F. Sauli and L.I. Shekhtman A323 (1992) 240
Two-dimensional X-ray detector based on microstrip and multiwire design, A.F. Barbosa, C. Riekel and P. Wattecamps A323 (1992) 247
Operation of the gaseous pixel chamber in proportional mode, M.C.S. Williams and A. Zichichi A323 (1992) 252
Initial investigations of the performance of a microstrip gas-avalanche chamber fabricated on a thin silicon-dioxide substrate, S.F. Biagi, J.N. Jackson, T.J. Jones and S. Taylor A323 (1992) 258
Large size microstrip particle detectors, J. Richter A323 (1992) 263

Section VII. Gas, aging, simulations

Studies of helium based drift chamber gases for high-luminosity low energy machines, A. Boyarski, D. Briggs and P.R. Burchat A323 (1992) 267
Electron attachment, effective ionization coefficient, and electron drift velocity for CF_4 gas mixtures, W.S. Anderson, J.C. Armitage, E. Dunn, J.G. Heinrich, C. Lu, K.T. McDonald, J. Weckel and Y. Zhu A323 (1992) 273
A measurement of the first Townsend coefficient in argon based mixtures at high fields, A. Sharma and F. Sauli A323 (1992) 280
Fragments and radicals in gaseous detectors, M.M. Fraga, E.P. de Lima, M.A. Alves, J. Escada, R. Ferreira Marques, M. Salete Leite and A. Policarpo A323 (1992) 284

The gas gain process in Ar/CO_2 filled proportional tubes, T.Z. Kowalski, A.R. Stopczyński and ZEUS-BAC Group A323 (1992) 289
Applications of gaseous electron counting detectors, A. Pansky, G. Malamud, A. Breskin and R. Chechik ... A323 (1992) 294
Proportional counters as monitoring detectors of BAC chambers at the ZEUS experiment, M. Bobrowski, K. Jeleń, S. Koperny, T.Z. Kowalski, W. Machowski, E. Rulikowska-Zarębska and J. Zając A323 (1992) 309
Measurement of spatial resolutions and drift velocities in a drift-chamber filled with a helium–DME mixture, V. Cindro, H. Kolanoski, A. Lange, D. Lauterjung, F. Müller, T. Siegmund, W. Söder and H. Thurn A323 (1992) 314
Multidrift module simulation, Yu.P. Guz, Yu.M. Ivanyushenkov and V.V. Kostyuhin A323 (1992) 315
Studies of energy loss in helium gas mixtures, I. Yadigaroglu, C. Grab, R. Bernet and R. Eichler A323 (1992) 322
Streamer mode studies for KASCADE muon detectors, P. Doll, K. Daumiller and H.O. Klages A323 (1992) 327
Assessment of SQS charge distribution models by pulse shape analysis, F.A. Fraga and E. Mathieson A323 (1992) 333
Theory describing cathode signals from charges moving in counters with a poorly conducting cathode, H. Schöpf and B. Schnizer A323 (1992) 338
Gravitational wire sag in nonrigid drift chamber structures, M. Chew, J.E. O'Meara and W. Tuzel A323 (1992) 345

Section VIII. Cherenkov ring-image detectors

The Barrel ring imaging Cherenkov counter of DELPHI, E.G. Anassontzis, G. van Apeldoorn, E. Aria, C. Aubret, P. Baillon, J.D. Berst, D. Bloch, C. Bourdarios, N. Brümmer, J.M. Brunet, P. Carrié, M. Chevry, E. Christophel, B. D'Almagne, P. van Dam, M. Davenport, S. Delorme, J. Dolbeau, M. Dracos, M. Dris, W. Dulinski, J.P. Engel, G. Evers, D. Fassouliotis, T.A. Filippas, E. Fokitis, D. Fraissard, E. Gaumann, E. Gazis, B. Goret, L. Guglielmi, F. Hahn, S. Haider, I. Herbst, P.F. Honoré, D. Husson, P. Ioannou, P. Juillot, G. Kalkanis, E. Karvelas, S. Katsanevas, E. Katsoufis, J. Kesteman, N. Kjaer, W. Klempt, B. Koene, N. de Koning, A. Korporaal, C. Kourkoumelis, C. Lambropoulos, D. Langerveld, G. Lecoeur, G. Lenzen, P. Lorenz, D. Loukas, A. Maltezos, S. Maltezos, A. Markou, G. Mourgue, R. Nicolaidou, J.M. Noppe, Th.D. Papadopoulou, D. Poutot, J. Raynaud, L.K. Resvanis, E. Rosso, M. Schaeffer, E. Schyns, G. Stavropoulos, R. Strub, J. Thadome, G.E. Theodosiou, D.Z. Toet, G. Tristram, A. Tsirou, S. Tzamarias, P. Vergezac, G. Voulgaris and J. Werner A323 (1992) 351
Drift optimization for the photon detectors of the DELPHI forward ring imaging Cherenkov detector, B. Boštjančič, O. Botner, L.O. Eek, V. Gracco, A. Hallgren, D. Isenhower, J. Medbo and J. Michalowski ... A323 (1992) 363
The RICH counter in the CERN hyperon beam experiment, W. Beusch, J. Engelfried, S.G. Gerassimov, J. Heintze, S. Kluth, P. Lennert, S. Ljungfelt, K. Martens, R. Michaels, U. Müller, H. Rieseberg, H.-W. Siebert and G. Wälder A323 (1992) 373
A ring imaging Cherenkov telescope for observations of high energy cosmic rays, J. Buckley, J. Dwyer, D. Müller, S. Swordy and K.K. Tang A323 (1992) 380
A fast RICH detector for JETSET, R. Jones, M. Price, M. Renevey and H. Wirth A323 (1992) 386

Section IX. Calorimetry systems

The NA48 liquid krypton prototype calorimeter, Cagliari–Cambridge–CERN–Dubna–Edinburgh–Ferrara–Mainz–Perugia–Pisa–Saclay–Siegen–Torino–Vienna Collaboration, G.D. Barr, P. Buchholz, D. Cundy, D. Coward, N. Doble, L. Gatignon, A. Gonidec, B. Hallgren, G. Kesseler, A. Lacourt, G. Laverrière, G. Linser, M. Mast, P. Schilly, D. Schinzel, W. Seidl, H. Taureg, H. Wahl, P. Wicht, L. Bertanza, A. Bigi, P. Calafiura, R. Casali, C. Cerri, R. Fantechi, G. Gennaro, B. Gorini, I. Mannelli, V. Marzulli, G. Pierazzini, D. Schiuma, F. Sergiampietri, D. Bederede, M. Debeer, P. Debu, B. Peyaud, A. Kreutz, E. Griesmayer, M. Markytan, G. Neuhofer, M. Pernicka, A. Taurok, G. Viehhauser and C.E. Wulz A323 (1992) 393
Results on the spaghetti calorimeter projective prototype, B. Bencheikh, A. Contin, R. DeSalvo, W. Hao, Y.Y. Wang, M. Lundin, R. Mondardini, C. Xu and K. You A323 (1992) 398
L3 central tracking system, L3 Vertex Chamber Group A323 (1992) 399
Electron identification in the H1 radial drift chambers, H. Grässler, M. Hohlmann, G. Kemmerling, S. Masson, W. Pilgram, R. Schulte, W. Struczinski, J.M. Bailey, G.A. Beck, S. Burke, J.B. Dainton, E. Gabathuler, D. Gillespie, A. Goodall, R. Martin, S.J. Maxfield, S.J. McMahon, J.M. Morton, G.D. Patel, D.P.C. Sankey, L.A. Womersley, S. Kolya, D. Clarke, P.S. Flower, D. Hill and R. Marshall A323 (1992) 401

Section X. Future and diverse instrumentation

Radial wire drift chambers with fast gases for tracking at future supercolliders. EHIT Collaboration, J.M. Bailey, G.A. Beck, S.F. Biagi, P.J. Bussey, P. Colrain, J.B. Dainton, E. Gabathuler, J.C. Hart, T.J. Jones, J.W. Hiddleston, S.J. Maxfield, N.A. McCubbin, J.M. Morton, B.T. Payne, C. Raine, E.J. Romans, D.P.C. Sankey, D.H. Saxon, I.O. Skillicorn and D.J. White A323 (1992) 407
Interpolating cathode pad readout in gas proportional detectors for high multiplicity particle tracks, B. Yu, V. Radeka, G.C. Smith and E. O'Brien A323 (1992) 413

A new detector for low P_t physics, C. Da Via, R. DeSalvo, M. Lundin, M.R. Mondardini, J. Orear, T. Shimizu and O. Shinji A323 (1992) 419
Temporal studies of a MWPC at high pressures, H. Crawford, C. Garabatos, L. Greiner and C.R. Gruhn A323 (1992) 424
New generation of Cherenkov counters, Y. Giomataris, G. Charpak, V. Peskov and F. Sauli A323 (1992) 431
Proposals for a new type of microchannel-plate-based vertex detector, A. Baldin, G. Feofilov, Y. Gavrilov, A. Tsvinev and F. Valiev A323 (1992) 439
Preliminary results of the study of gaseous detectors with solid photocathodes sensitive in the spectral region from 105 to 300 nm, G. Charpak, V. Peskov and F. Sauli A323 (1992) 445
Direct comparison of different photocathode materials as part of a MWPC, H. Ehrlichmann, E. Michel and P. Križan A323 (1992) 452
Study of CsI photocathodes in a multiwire chamber, M. Starič, D. Brajnik, V. Cindro, S. Korpar, P. Križan and A. Stanovnik A323 (1992) 457
Development of photosensitive wire detectors at IHEP, A.F. Buzulutskov and L.K. Turchanovich A323 (1992) 458
A gas scintillation proportional detector to search for 17 keV neutrinos, W.J.C. Okx, C.W.E. van Eijk, V.R. Bom and R.W. Hollander A323 (1992) 466
Initial performance of the VENUS transition radiation detector, N. Terunuma, N. Kanda, M. Sakuda, Y. Chiba, Y. Fukushima, J. Haba, A. Krüger, I. Nakano, S. Nakamura, K. Ogawa, T. Ohsugi, A. Suzuki and Y. Watase A323 (1992) 471
Optoelectronic readout for scintillating fiber trackers, C. Mommaert A323 (1992) 477
An X-ray area detector with scintillating glass fiber optics, P. Ottonello, G.A. Rottigni, G. Zanella and R. Zannoni A323 (1992) 485
Studies of position sensitive photomultipliers in readout of scintillating and waveshifting fibers, S. Majewski, B. Kross, R. Wojcik, A. Weisenberger and C. Zorn A323 (1992) 489
Improvement of the UV laser calibration of high energy particle spectrometers, R. Fabbretti and P.G. Seiler . A323 (1992) 505

Section XI. Electronics, trigger

The readout system of the CPLEAR electromagnetic calorimeter, F. Bal, G. Dzieglewski, B. Lofstedt, F. Nanni, P. Petit, J.P. Vanuxem, H. Verweij and H. Wendler A323 (1992) 511
Development of a preamplifier for cathode strip readout, R. Seeliger, F. Beissel and J. Kaulard A323 (1992) 519
On-line analysis for the OBELIX drift chambers at LEAR, F. Balestra, S. Bossolasco, M.P. Bussa, L. Busso, L. Fava, L. Ferrero, R. Garfagnini, A. Grasso, A. Maggiora, D. Panzieri, G. Piragino, F. Tosello, G. Zosi, A. Lanaro and L. Santi A323 (1992) 523
The L3 energy trigger for the LEP 8 bunch operation, P. Bagnaia, R. Bizzarri, F. Cesaroni, S. Gentile and G. Lunadei A323 (1992) 528
A fast pipelined trigger for the H1 experiment based on multiwire proportional chamber signals, S. Eichenberger, H.P. Beck, S. Egli, K. Müller, C.A. Meyer, P. Robmann, U. Straumann, P. Truöl, M. Arpagaus, R. Bernet, R. Eichler, C. Grab, J. Riedlberger and T. Wolff A323 (1992) 532
A drift chamber track finder for the first level trigger of the H1 experiment, Th. Wolff, J. Riedlberger, M. Arpagaus, R. Bernet, R. Eichler, C. Grab, H.P. Beck, S. Egli, S. Eichenberger, K. Müller, C. Meyer, P. Robmann, U. Straumann and P. Truöl A323 (1992) 537
The use of drift chamber signals as a fast trigger, M. Dahmen, R. Bröders, G. Decker, K. Kilian, A. Kurtenbach, Ch. Lippert, W. Oelert, E. Roderburg, G. Sehl, O. Steinkamp, R. Stratmann, S. Walsh and M. Ziółkowski A323 (1992) 542
A fast ECL bus memory: dual input memory, F. Cesaroni, S. Gentile, G. Pascale and Z. Gao A323 (1992) 549

Liquid xenon ionization and scintillation. Studies for a totally active-vector electromagnetic calorimeter, J. Séguinot, G. Passardi, J. Tischhauser and T. Ypsilantis A323 (1992) 583
The design of the AMY central drift chamber and performance in a 3 T magnetic field, K. Ueno, H.W. Zheng, C. Back, D. Blanis, S. Eno, T. Haelen, Y.H. Ho, Y.K. Kim, T. Mori, S.L. Olsen, N.M. Shaw, E.H. Thorndike, J. Edwards, C. Rosenfeld, Y. Higashi, and Y. Kobayashi A323 (1992) 601
Quality control and calibration of the ZEUS forward and rear calorimeters with ^{60}Co sources, U. Behrens, D. Gilkinson, G. Gloth, D. Hanna, L.W. Hung, H. Kammerlocher, B. Krebs, R. Krüger, F. Meyer and K. Wick A323 (1992) 611
Properties of CsI and CsI–TMAE photocathodes, D.F. Anderson, S. Kwan, V. Peskov and B. Hoeneisen ... A323 (1992) 626
Radiation tests on GaAs particle detectors, W. Karpinski, T. Kubicki, K. Lübelsmeyer, M. Toporowsky, W. Wallraff, K. Heime and R. Wüller A323 (1992) 635
Results on Monte Carlo simulations of a microstrip gas counter, J. Schmitz A323 (1992) 638
The OPAL silicon microvertex detector, P.P. Allport, J.R. Batley, P. Capiluppi, A.A. Carter, J.R. Carter, S.J. De Jong, U.C. Dunwoody, V. Gibson, W. Glessing, P.R. Goldey, M.J. Goodrick, W. Gorn, R. Ham-

marstrom, G.G. Hanson, J.D. Hobbs, J. Hill, J.C. Hill, R. Humbert, F. Jacob, M. Jiminez, P. Kyberd, C. Leroy, X.C. Lou, A.J. Martin, J-P. Martin, C. Moisan, C.J. Oram, T.W. Pritchard, O. Runolfsson, P. Seller, R. Shaw, P. Singh, M.F. Turner, M. Uldry, D. Voillat, D.R. Ward and K.H. Wolf A324 (1993) 34

Beam tests of the DØ uranium liquid argon end calorimeters, DØ Collaboration, S. Abachi, S. Ahn, M. Abolins, H. Aihara, N. Amos, Y. Antipov, S.H. Aronson, R. Astur, R. Avellaneda, R.E. Avery, A.R. Baden, B. Baldin, J. Bantly, E. Barasch, J.F. Bartlett, K. Bazizi, T. Behnke, V. Bezzubov, P. Bhat, G.C. Blazey, S. Blessing, D. Bogert, F. Borcherding, J. Borders, N. Bozko, R. Brock, A.D. Bross, D. Buchholz, N. Bulgakov, V. Burtovoy, J.M. Butler, R. Cence, S. Chekulaev, S. Cherny, J. Chen, J.H. Christenson, A.R. Clark, J. Cochran, W.E. Cooper, C. Cretsinger, D. Cullen-Vidal, D. Cutts, O.I. Dahl, A. Davidenko, K. De, M. Demarteau, D. Denisov, S. Denisov, W. Dharmaratna, H.T. Diehl, M. Diesburg, R. Dixon, P. Draper, Y. Ducros, G. Dugan, S. Durston, A. Dyakonenkov, D. Eartly, D. Edmunds, A. Efimov, J. Ellison, R. Engelmann, O. Eroshin, V. Evdokimov, S. Fahey, M. Fatyga, J. Featherly, S. Feher, T. Ferbel, D. Finley, G. Finocchiaro, H.E. Fisk, G.E. Forden, M. Fortner, P. Franzini, S. Fuess, C.S. Gao, T. Geld, K. Genser, B.G. Gibbard, V. Glebov, J.-F. Glicenstein, B. Gobbi, M. Goforth, M.L. Good, H.A. Gordon, N. Graf, P.D. Grannis, D.R. Green, J. Green, H. Greenlee, P. Grudberg, J.A. Guida, J.M. Guida, W. Guryn, N.J. Hadley, H. Haggerty, S. Hagopian, R. Hall, D. Hedin, T. Heuring, R. Hirosky, J. Hoftun, J.F. Hubbard, T. Huehn, R. Huson, S. Igarashi, A.S. Ito, M.E. Johnson, A.M. Jonckheere, K. Johns, H. Jostlein, W. Karsh, S. Kahn, A. Kernan, L. Kerth, A. Kholodenko, A. Kirunin, E. Kistenev, A. Klatchko, B. Klima, B. Klochkov, C. Klopfenstein, V. Klyukhin, V. Kochetkov, W. Kononenko, J. Kotcher, I. Kotov, J. Kourlas, E. Kozlovsky, S. Kunori, S. Krzywdzinzski, R. Lanou, P. Laurens, J. Lee-Franzini, R. Li, Q.Z. Li-Demarteau, J.T. Linnemann, S.L. Linn, R. Lipton, F. Lobkowicz, S.C. Loken, S. Lökös, P. Lucas, R.J. Madaras, R. Madden, E. Malamud, Ph. Mangeot, B. Mansoulié, I. Manning, H.-S. Mao, T. Marshall, P.S. Martin, H.J. Martin, M. Marx, A. Mayorov, R. McCarthy, J. McKinley, X.C. Meng, K.W. Merritt, A. Milder, A. Mincer, P. Mooney, R. Morphis, M. Mudan, C.T. Murphy, F. Nang, V.S. Narasimham, H.A. Neal, P. Nemethy, D. Nešić, K. Ng, D. Norman, L. Oesch, E. Oltman, N. Oshima, D.L. Owen, D.P. Owen, R. Partridge, M. Paterno, A. Peryshkin, M. Peters, B. Pi, H. Piekarz, Y. Pischalnikov, D. Pizzuto, V. Platonov, A. Pluquet, V. Podstavkov, B.G. Pope, H. Prosper, S. Protopopescu, R. Raja, S. Rajagopalan, L. Rasmussen, A.L. Read, T.M.-L. Ren, S. Repond, V. Riadovikov, M. Rijssenbeek, N.A. Roe, P. Rubinov, R. Ruland, J. Rutherfoord, R.D. Schamberger, J. Sculli, W. Selove, A. Shkurenkov, M. Shupe, W. Smart, D. Smith, R.P. Smith, G.R. Snow, A.L. Spadafora, R. Stephens, M.L. Stevenson, C. Stewart, F. Stocker, D. Stoyanova, K. Streets, M. Strovink, A. Suhanov, A. Taketani, M. Tartaglia, J. Teiger, G. Theodosiou, J. Thompson, S. Tisserant, T.G. Trippe, P.M. Tuts, R. Van Berg, A. Vorobiev, H.D. Wahl, H. Weerts, W.A. Wenzel, A.P. White, J.T. White, S. Willis, J.A. Wightman, S.J. Wimpenny, Z. Wolf, J. Womersley, Y. Xia, P. Xie, H. Xu, J. Xu, R. Yamada, P. Yamin, J. Yang, M.-J. Yang, C. Yoshikawa, S. Youssef, J. Yu, R. Zeller, Y.H. Zhou, Q. Zhu, D. Zieminska, A. Zieminski, A. Zotov and A. Zylberstejn A324 (1993) 53

Beam test of a parallel-plate calorimeter with high pressure gas as active medium, L. Demortier, N.D. Giokaris, K. Goulianos, D. Khazins, D.F. Anderson, S. Cihangir, A. Para, J. Zimmerman, G. Fanourakis, J.A. Budagov, A.D. Volkov and M. Morgan A324 (1993) 77

A hodoscope made of resistive plate chambers to identify muons in a fixed targed beauty hadroproduction experiment, C. Bacci, F. Ceradini, G. Ciapetti, A. Frenkel, E. Gennari, F. Lacava, G. Martellotti, A. Nisati, D. Orestano, G. Penso, E. Petrolo, L. Pontecorvo, M. Torelli, A. Tusi, S. Veneziano, M. Verzocchi, L. Zanello, R. Cardarelli, A. Di Ciaccio and R. Santonico A324 (1993) 83

A shaped solenoid for muon spectroscopy at high-energy hadron colliders, A. Dudragne, C.W. Fabjan, W. Flegel, H. Gerwig, L. Leistam, G. Petrucci, G. Pozzo, W. Richter and R. Fruhwirth A324 (1993) 93

The first level energy trigger of the L3 experiment. Software and performances, P. Bagnaia, R. Bizzarri, F. Cesaroni, S. Gentile and T. Hebbeker A324 (1993) 101

Measurement of electron drift parameters for helium and CF_4-based gases, J. Va'vra, P. Coyle, J. Kadyk and J. Wise A324 (1993) 113

Precision measurements of magnetic deflection angles and drift velocities in crossed electric and magnetic fields, T. Kunst, B. Götz and B. Schmidt A324 (1993) 127

Evidence for the effect of electron diffusion on the gas amplification process in a gas-filled wire counter, S. Ito, R. Katano and Y. Isozumi A324 (1993) 141

A setup for precise measurements of scintillating fiber bundles using an optoelectronic readout chain and a silicon microstrip detector system, J. Bähr, A. Bischoff, K. Hiller, B. Hoffmann, W. Lange, H. Lüdecke, R. Nahnhauer, W.D. Nowak, M. Pohl, H.E. Roloff, K. Sulanke J.P. Fabre, B. Friend, W. Flegel, J. Panman, S. Reynaud, G. Stefanini, K. Winter, M. Gruwe and Ch. Mommaert A324 (1993) 145

Response of a sampling calorimeter to low energy pions, muons, and positrons, J.P. Sullivan, M.W. Rawool-Sullivan, J.G. Boissevain, D. Fox, A. Gavron, K. Holzscheiter, B.V. Jacak, J. Simon-Gillo, W.E. Sondheim, H. van Hecke, B. Wolf and K.L. Wolf A324 (1993) 441

A large area optical imaging UV detector operating with TMAE at 48°C, J. Baechler, M. Bosteels, P. Buncic, R. Bock, A. Di Mauro, J.P. Fabre, N. Facchini, R. Ferorelli, W. Heck, M. Hoffmann, M. Koncul, M.

LeVine, A. Ljubicic Jr., E. Nappi, G. Paic, A. Panagiotou, F. Posa, G. Roland, K. Runge, A. Sandoval, T. Scognetti, E. Schmoetten, R. Stock, G. Tomasicchio, G. Vasileiadis, D. Vranic and M. Wensveen A324 (1993) 449
Saturation of ion yield in 2,2,4,4 tetramethylpentane for nonrelativistic particles, A. Astbury, M. Fincke-Keeler, R.K. Keeler, P.R. Poffenberger, L.P. Robertson, M. Rosvick, P. Schenk, C. Oram and R. Sobie A324 (1993) 461
A novel electromagnetic shower maximum position detector, G. Apollinari, N.D. Giokaris, K. Goulianos, A. Titov, Z. Wu, E. Hayashi, T. Kaneko, S. Kim, K. Kondo, S. Miyashita, H. Nakada, K. Takikawa, K. Yasuoka, T. Kamon and V. Barnes A324 (1993) 475
Optical properties of wavelength shifting panels, P. Soler and Z.H. Wang A324 (1993) 482
Radiation damage of a barium fluoride scintillator induced with 1 GeV proton irradiation *(Letter to the Editor)*, D.M. Seliverstov, A.I. Shchetkovsky and V.V. Yanovsky A324 (1993) 609
Detector system for e–d scattering experiments on the VEPP-3 storage ring, L.G. Isaeva, B.A. Lazarenko, D.M. Nikolenko, S.G. Popov, I.A. Rachek, Yu.G. Ukraintsev, E.P. Tsentalovich, B.B. Wojtsekhowski and V.V. Nelubin A325 (1993) 16
A precision experiment on electrons, photons and muons at LHC, L3P Collaboration, ... A325 (1993) 23
Calibration and performance of the CHARM-II detector, CHARM-II Collaboration, D. Geiregat, P. Vilain, G. Wilquet, U. Binder, H. Burkard, W. Flegel, H. Grote, T. Mouthuy, H. Øverås, J. Panman, A. Rozanov, K. Winter, G. Zacek, V. Zacek, R. Beyer, F.W. Büsser, C. Foos, L. Gerland, T. Layda, F. Niebergall, G. Rädel, P. Stähelin, A. Tadsen, T. Voss, D. Favart, G. Grégoire, E. Knoops, V. Lemaître, P. Gorbunov, E. Grigoriev, V. Khovansky, A. Maslennikov, W. Lippich, A. Nathaniel, H. Neumeyer, A. Staude, J. Vogt, M. Caria, C. Cicalò, B. Eckart, A.G. Cocco, A. Ereditato, G. Fiorillo, S. Mennella, V. Palladino, P. Paolucci, P. Strolin, A. Capone, D. De Pedis, E. Di Capua, U. Dore, A. Frenkel-Rambaldi, P.F. Loverre, D. Macina, G. Piredda, R. Santacesaria and D. Zanello A325 (1993) 92
Performance of a simple drift tube with a large square cross section, Y. Asano, M. Abe, S. Itoh, S. Mori, H. Ikeda and M. Tanaka A325 (1993) 109
Performance of a liquid argon electromagnetic calorimeter with a cylindrical accordion geometry, B. Aubert, A. Bazan, B. Beaugiraud, J. Colas, T. Leflour, M. Maire, J.P. Vialle, I. Wingerter-Seez, Y.P. Zolnierowski, H.A. Gordon, V. Radeka, D. Rahm, D. Stephani, N. Bulgakov, J.L. Chevalley, C.W. Fabjan, D. Fournier, O. Gildemeister, P. Jenni, M. Nessi, F. Nessi-Tedaldi, M. Pepe, W. Richter, J. Soderqvist, V. Vuillemin, J.M. Baze, L. Gosset, P. Lavocat, J.P. Lottin, B. Mansoulié, J.P. Meyer, J.R. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D.V. Camin, D. Cavalli, G. Costa, A. Cravero, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, M. Sciamanna, E. Augé, R. Chase, J.C. Chollet, C. de la Taille, L. Fayard, A. Hrisoho, Ph. Jean, L. Iconomidou-Fayard, G. Le Meur, B. Merkel, J.M. Noppe, G. Parrour, P. Petroff, J.P. Repellin, A. Schaffer, N. Seguin, G. Unal, C. Fuglesang and M. Lefebvre A325 (1993) 116
The on-line event filter of the OPAL experiment at LEP, D.G. Charlton, F. Meijers, T.J. Smith and P.S. Wells A325 (1993) 129
A technique to measure the positions of sense wires in low mass drift chambers, S.H. Oh, C. Wang and M. Yin A325 (1993) 142
Temperature dependence of CsI(Tl) gamma-ray excited scintillation characteristics, J.D. Valentine, W.W. Moses, S.E. Derenzo, D.K. Wehe and G.F. Knoll A325 (1993) 147
A high precision straw tube chamber with cathode readout, V.N. Bychkov, I.A. Golutvin, Yu.V. Ershov, E.V. Zubarev, A.B. Ivanov, V.N. Lysiakov, A.V. Makhankov, S.A. Movchan, V.D. Peshekhonov and T. Preda . A325 (1993) 158
Imaging performance obtained with fused bundles of scintillating fibres, C. D'Ambrosio, H. Leutz, T. Shimizu and O. Shinji A325 (1993) 161
New fluorescent compounds for plastic scintillator applications, A.D. Bross, A. Pla-Dalmau and C.W. Spangler A325 (1993) 168
Left–right resolution in high magnetic fields for the CHAOS inner drift chamber, G.J. Hofman, J.T. Brack, P.A. Amaudruz and G.R. Smith A325 (1993) 384
Design, construction, and performance of the electromagnetic module of the DØ end calorimeter, H. Aihara, A.A. Arthur, O.I. Dahl, P.H. Eberhard, W.R. Edwards, R.L. Fulton, J.M. Haughian, R.J. Madaras, N.A. Roe, D.B. Shuman, A.L. Spadafora, M.L. Stevenson, J.D. Taylor, W.A. Wenzel, J. Chen, C. Cretsinger, G.E. Forden, A. Milder, J. Rutherfoord, M. Shupe, J. Featherly, B.G. Gibbard, H.A. Gordon, J.M. Guida, W. Guryn, S. Kahn, S. Protopopescu, D. Cutts, D. Nešić, J.S. Hoftun, P. Franzini, P.M. Tuts, N. Amos, F. Bartlett, P. Bhat, J.H. Christenson, W.E. Cooper, R. Dixon, H.E. Fisk, S. Fuess, N. Graf, H. Haggerty, A.S. Ito, A. Jonckheere, B. Klima, R. Lipton, W. Merritt, H. Prosper, A. Peryshkin, R. Raja, R.P. Smith, D. Stewart, M. Tartaglia, A.P. White, Z. Wolf, R. Avellaneda, W. Dharmaratna, M. Goforth, R. Madden, H. Piekarz, H.D. Wahl, J. Womersley, J. Xu, N. Hadley, D. Norman, K. Streets, K. De, H. Neal, M. Abolins, D. Edmunds, D.P. Owen, B. Pi, H. Weerts, Y. Xia, J. Kotcher, J. Kourlas, P. Nemethy, J. Sculli, Q. Zhu, G.C. Blazey, J. Borders, P. Draper, S. Durston, T. Ferbel, R. Hirosky, F. Lobkowicz, M. Demarteau, P.D. Grannis, J.A. Guida, W. Karsh, M. Marx, L. Rasmussen and R.D. Schamberger A325 (1993) 393
The electromagnetic calorimeter for the OBELIX experiment, S. Affatato, G. Artusi, G. Avoni, O. Baglioni, A. Bertin, M. Bruschi, D. Bulgarelli, M. Capponi, I. D'Antone, S. De Castro, D. Galli, U. Marconi, I. Massa, M. Morganti, G. Paolucci, M. Piccinini, M. Poli, N. Semprini-Cesari, R. Spighi, S. Tuffanelli, S. Vecchi, M. Villa, A. Vitale, S. Zagato, G. Zavattini and A. Zoccoli A325 (1993) 417

A Cherenkov counter designed as a muon trigger for the SDC detector, M. Albee, G. Baranko, B. Broomer, M. Christoph, M. Daoudi, E. Erdos, U. Nauenberg, G. Schultz, J. Smathers, Q. Van Egeren, C. Wente, J. Belz, G. Daniel, C. Guss, S. Kettell, K. McFarlane, K. Johns and P. Koehn A325 (1993) 429
Foam radiators for transition radiation detectors, V. Chernyatin, B. Dolgoshein, I. Gavrilenko, M. Potekhin, A. Romaniouk and V. Sosnovtsev A325 (1993) 441
On-line monitoring of radiation damage in optical fibers, D. Bisello, P. Camarri, M. Cobal, H. Grassmann, S. Leone and M. Loreti A325 (1993) 446
Timing characteritics of a micro-channel plate and fine mesh photomultiplier tubes in a 1 T field, H. Kichimi, H. Sagawa, Y. Yoshimura, T. Kishida, N. Tamura, H. Suzuki and T. Taguchi A325 (1993) 451

Proceedings of the 6th European Symposium on Semiconductor Detectors (24–26 February 1992, Milano, Italy)

Section I. Detector fabrication

Gettering and defect engineering for a low noise CCD compatible 1.5 μm BICMOS technology, G. Ritter, K.-E. Ehwald and D. Knoll A326 (1993) 3
Characterization of silicon during the fabrication of nuclear detectors by the planar process, J.Ch. Fontaine, S. Barthe, J.P. Ponpon, J.P. Schunck and P. Siffert A326 (1993) 10
Anodic oxidation as a method for low temperature passivation of silicon radiation detectors, G. Mende, H. Flietner and M. Deutscher A326 (1993) 16
Application of wet chemical selective etch techniques to the fabrication of thin silicon detectors, B. Schmidt, J. von Borany and D. Schubert A326 (1993) 21
Breakdown protection and long-term stabilisation for Si-detectors, A. Bischoff, N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, P. Lechner, G. Lutz, R.H. Richter and L. Strüder A326 (1993) 27
Characterization of high resistivity detector diodes by forward bias measurements, K. Misiakos, D. Loukas, E. Tsoi and S. Kavadias A326 (1993) 38
The influence of preamorphization on the properties of shallow p^+n-junctions in silicon radiation detectors, J. von Borany and R. Kögler A326 (1993) 42

Section II. Electronics

Limits of resolution of charge sensitive detector systems, K. Kandiah and F.B. Whiting A326 (1993) 47
Short channel, CMOS-compatible JFET in low noise applications, W. Buttler, G. Lutz, G. Cesura, P.F. Manfredi, V. Speziali and A. Tomasini A326 (1993) 63
A novel charge sensitive preamplifier without the feedback resistor, G. Bertuccio, P. Rehak and D. Xi A326 (1993) 71
Monolithic preamplifier employing epitaxial n-channel JFETS, V. Radeka, S. Rescia, P.F. Manfredi, V. Re and V. Speziali A326 (1993) 77
Silicon strip front-end using a low-noise analog CMOS process, W. Dabrowski and J. DeWitt A326 (1993) 82
The pn-CCD on-chip electronics, E. Pinotti, H. Bräuninger, N. Findeis, H. Gorke, D. Hauff, P. Holl, J. Kemmer, P. Lechner, G. Lutz, W. Kink, N. Meidinger, G. Metzner, P. Predehl, C. Reppin, L. Strüder, J. Trümper, C. von Zanthier, E. Kendziorra, R. Staubert, V. Radeka, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, A. Pullia and M. Sampietro A326 (1993) 85
A novel readout chip for silicon strip detectors with analog pipeline and digitally controlled analog signal processing, R. Horisberger and D. Pitzl A326 (1993) 92
A 66 MHz, 32-channel analog memory circuit with data selection for fast silicon detectors, D. Munday, A. Parker, F. Anghinolfi, P. Aspell, M. Campbell, P. Jarron, E.H.M. Heijne, G. Meddeler, J.C. Santiard, H. Verweij, C. Gössling, R. Bonino, A.G. Clark, C. Couyoumtzelis, D. La Marra, X. Wu, G. Moorhead, A. Weidberg, D. Campbell, P. Murray, P. Seller, R. Stevens, E. Beuville, M. Rouget and J. Teiger A326 (1993) 100
A novel technique for fast pulse-shaping using a slow amplifier at LHC, N. Bingefors, S. Bouvier, S. Gadomski, G. Hall, T.S. Høgh, P. Jalocha, H. v.d. Lippe, J. Michel, E. Nygård, M. Raymond, A. Rudge, R. Sachdeva, P. Weilhammer and K. Yoshioka A326 (1993) 112
The study of the possibility to use CAMEX chips in collider experiments with short bunch crossing time, V.M. Aulchenko, A.G. Chilingarov, V.V. Serbo and V.M. Titov A326 (1993) 120

Section III. Pixel detectors

First results with the pn-CCD detector system for the XMM satellite mission, H. Bräuninger, R. Danner, D. Hauff, P. Lechner, G. Lutz, N. Meidinger, E. Pinotti, C. Reppin, L. Strüder, J. Trümper, E. Kendziorra, J. Krämer, M. Mohan, R. Staubert, N. Findeis, P. Holl, J. Kemmer and C. von Zanthier A326 (1993) 126
A fast low noise silicon detector for electron spectroscopy up to 1 MeV, L. Evensen, A. Hanneborg, T. Happ, A.H. Wuosmaa and R.R. Betts A326 (1993) 136

First beam test results from a monolithic silicon pixel detector, W. Snoeys, J. Plummer, G. Rosseel, C.H. Aw, C. Kenney and S. Parker A326 (1993) 144
A calibration bench for electro-optical characterization of CCD sensors, R. Stalio, A. Bucconi, P. Trampus, F. Visintini, F.D. Carlo and A. Antonini A326 (1993) 150

Section IV. Thermal detectors

Thermal calorimeters for high resolution X-ray spectroscopy, D. McCammon, W. Cui, M. Juda, J. Morgenthaler, J. Zhang, R.L. Kelley, S.S. Holt, G.M. Madejski, S.H. Moseley and A.E. Szymkowiak A326 (1993) 154
A cryogenic detector with simultaneous phonon and ionization measurement for background rejection, T. Shutt, P.D. Barnes, Jr., A. Cummings, A. DaSilva, B. Ellman, J. Emes, Y. Giraud-Heraud, E.E. Haller, A.E. Lange, R.R. Ross, B. Sadoulet, G. Smith, C. Stubbs, W. Stockwell, N. Wang, S. White, B.A. Young and D. Yvon A326 (1993) 166
High resolution X-ray spectroscopy with superconducting tunnel junctions, H. Kraus, J. Jochum, B. Kemmather, M. Gutsche, F. von Feilitzsch and R.L. Mössbauer A326 (1993) 172

Section V. Silicon microstrip detectors

Operational experience with a large detector system using silicon strip detectors with double sided readout, G. Batignani, C. Bauer, H. Becker, B. Bloch-Devaux, J. Boudreau, D. Brown, F. Bosi, L. Bosisio, M. Carpinelli, J. Carr, P. Cattaneo, A. Ciocci, P. Coyle, R. Dell'Orso, H. Dietl, J. Drinkard, E. Focardi, F. Forti, M. Giorgi, T. Hansl-Kozanecka, D. Hauff, P. Holl, R.G. Jacobsen, E. Lancon, J. Lauber, A. Litke, G. Lutz, G. Lütjens, E. Mannelli, W. Männer, T. Mattison, M. McNeil, S. Menary, L. Moneta, H.G. Moser, B. Mours, R. Ossa, G. Parrini, S. Piccinini, G. Redlinger, D. Rizzi, G. Rizzo, L. Roos, D. Rousseau, G. Taylor, G. Tonelli, G. Triggiani, A.S. Schwarz, P. Schwemling, R. Settles, H. Seywerd, V. Sharma, L. Strüder, C. Vannini, P.G. Verdini, J. Walsh, G. Walterman, S. Walther, J. Wear and F. Weber A326 (1993) 183
Measurement of the spatial resolution of double-sided double-metal AC-coupled silicon microstrips detectors, R. Brenner, R. Harr, A. Rudge, D. Santos, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, M. Turala, V. Bonvicini, W. Kucewicz, S. Masciocchi, G. Vegni, A. Peisert, J. Ardelan, A. Hrisoho, K. Troung, F. Couchot, C. Colledani, W. Dulinski, D. Husson, A. Lounis, N. Mayet, M. Schaeffer, R. Turchetta, A. Smith, R. Apsimon, P. Seller, M. Tyndel, M. Aalste, I. Hietanen, J. Lindgren, K. Osterberg, R. Orava, C. Ronnqvist, T. Tuuva and M. Voutilainen A326 (1993) 189
Results from double-sided silicon microstrip detector with field plate separation, R. Brenner, J. Carstens, A. Rudge, J. Straver, P. Weilhammer, A. Czermak, S. Gadomski, P. Jalocha, M. Turala, V. Bonvicini, A. Peisert, C. Colledani, W. Dulinski, A. Lounis, M. Schaeffer, R. Turchetta and R. Harr A326 (1993) 198
Basic characters of silicon strip detectors with double layer aluminum electrodes, K. Saito, M. Konmura, M. Nakamura, H. Tajima, K. Teraoka, T. Nakano, O. Sato, K. Niwa, K. Yamamoto and K. Yamamura A326 (1993) 204
Concepts for simplification of strip detector design and production, J. Kemmer and G. Lutz A326 (1993) 209
Operation and radiation resistance of a FOXFET biasing structure for silicon strip detectors, M. Laakso, P. Singh, E. Engels, Jr. and P.F. Shepard A326 (1993) 214
A study on the interstrip capacitance of double-sided silicon strip detectors, K. Yamamoto, K. Yamamura, K. Saito, M. Konmura, M. Nakamura and K. Niwa A326 (1993) 222
Calculation of the geometrical capacitance of silicon microstrip structures using a variational approach, G. Hall, D. Vitè and R. Wheadon A326 (1993) 228
Strip detector for short-range particles, A.B. Rosenfeld, V.M. Pugatch, O.S. Zinets, P.G. Litovchenko, L.I. Barabash, Yu.N. Pavlenko and Yu.O. Vasilyev A326 (1993) 234
Pulse shapes of silicon strip detectors as a diagnostic tool, S. Gadomski, M. Turala, E. Barberis, N. Cartiglia, J. Leslie and H.F.-W. Sadrozinski A326 (1993) 239
Design and tests for CLEO-II silicon vertex detector, J.P. Alexander, J.A. Dobbins, K. Honscheid, C.D. Jones, M. Selen, H.M. Worden, F.K. Wuerthwein, J. Gronberg, R.J. Morrison, H.N. Nelson, D.M. Schmidt, H. Tajima, D. Cinabro, S. Henderson, H. Yamamoto, M. Artuso, P. Rubin, Z. Sobolewski, D. Akerib and D. Cowen A326 (1993) 243

Section VI. Computer simulation

Three-dimensional simulation of semiconductor devices: state of the art and prospects, G. Baccarani, P. Ciampolini and A. Pierantoni A326 (1993) 253

Section VII. Ionization-based detectors

Study of the position-sensitive detection of X-rays with a silicon drift chamber, E.M. Schooneveld, C.W.E. van Eijk, R.W. Hollander and E.A. Hijzen A326 (1993) 263
Beam test of a large area silicon drift detector, A. Vacchi, P.T. Cox, P. Giacomelli, A. Castoldi, S. Chinnici, E. Gatti, A. Longoni, F. Palma, M. Sampietro, P. Rehak, G. Ballocchi, J. Kemmer and P. Holl A326 (1993) 267

Performance of the multianode cylindrical silicon drift detector in the NA45 experiment: first results, W. Chen, H. Kraner, Z. Li, P. Rehak, G. Bertuccio, E. Gatti, A. Longoni, M. Sampietro, P. Holl, J. Kemmer, U. Faschingbauer, F. Hess, C. Jacob, A. Wörner, J.P. Wurm, R. Baur, A. Drees, P. Fischer, P. Glässel, T.F. Günzel, D. Irmscher, L. Olsen, A. Pfeiffer, B. Schmidt, A. Schoen, H.J. Specht, Th. Ullrich, S. Tapprogge, N. Wermes, A. Breskin, R. Chechik, C. de los Heros, V. Steiner and I. Tserruya A326 (1993) 273
About the precision of time and amplitude measurements in drift detectors, E. Gatti and G. Fusillo A326 (1993) 279
New DEPMOS applications, P. Lechner, L. Andricek, N. Findeis, D. Hauff, P. Holl, J. Kemmer, P. Klein, G. Lutz, N. Meidinger, E. Pinotti, R. Richter, L. Strüder and C. von Zanthier A326 (1993) 284
Recent advances in the detection of optical photons with silicon photodiodes, A. Lacaita, M. Ghioni, F. Zappa, G. Ripamonti and S. Cova A326 (1993) 290
Operational characteristics of an electron-bombarded silicon-diode photomultiplier tube, G.A. Johansen and C.B. Johnson A326 (1993) 295
Diffusion-based silicon nuclear radiation detectors with on-chip readout circuitry, S.E. Wouters and G.J. van Sprakelaar A326 (1993) 299
A BCCD-based dosimeter for mixed radiation fields, M. Pierschel, K.-E. Ehwald, B. Heinemann, F. Januschewski, T. Schmitz and O. Schröder A326 (1993) 304
An exploration of GaAs structures for solid-state detectors, V.B. Chmill, A.V. Chuntonov, V.A. Sergeev, A.V. Smol, Yu.P. Tsyupa, A.P. Vorobiev, A.I. Gordienko, S.S. Khludkov, O.B. Koretskaya, A.I. Potapov and O.P. Tolbanov A326 (1993) 310
Charge transport properties of undoped SI LEC GaAs solid-state detectors, S.P. Beaumont, R. Bertin, C.N. Booth, M. Bruzzi, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, S. DeGennaro, D. Del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, Y. Hou, P. Houston, B. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V.O'Shea, P.G. Pelfer, M. Pischedda, C. Raine, J. Santana, I. Saunders, P.H. Seller, I.O. Skillikorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, A. Vinattieri and A. Zichichi A326 (1993) 313
Timing response of CdTe detectors, G. Baldazzi, D. Bollini, F. Casali, P. Chirco, A. Donati, W. Dusi, G. Landini, M. Rossi and J.B. Stephen A326 (1993) 319
Performance of a liquid xenon calorimeter cell, A. Braem, A. Gonidec, D. Schinzel, W. Seidl, E. Clayton, G. Hall, R. Payne, S. Roe, C. Seez, J. Striebig, T.S. Virdee and D. Cockerill A326 (1993) 325

Section VIII. Radiation damage

The effect of bulk traps in proton irradiated EEV CCDs, A.D. Holland A326 (1993) 335
Defect complexes in neutron irradiated silicon detectors: evaluation and effects, M. Bruzzi, A. Baldini, E. Borchi and I. Lukianov A326 (1993) 344
The use of the signal current pulse shape to study the internal electric field profile and trapping effects in neutron damaged silicon detectors, H.W. Kraner, Z. Li and E. Fretwurst A326 (1993) 350
Radiation hardness of silicon detectors for future colliders, E. Fretwurst, N. Claussen, N. Croitoru, G. Lindström, B. Papendick, U. Pein, H. Schatz, T. Schulz and R. Wunstorf A326 (1993) 357
Neutron irradiation of silicon diodes at temperatures of +20°C and −20°C, F. Anghinolfi, R. Bardos, S.J. Bates, R. Bonino, A.G. Clark, N. Claussen, E. Fretwurst, M. Glaser, G. Gorfine, C. Gössling, E.H.M. Heijne, P. Jarron, R. Klingenberg, F. Lemeilleur, G. Lindström, G. Moorhead, D.J. Munday, E. Occelli, H. Pagel, B. Papendick, M.A. Parker, D. Pollmann, A. Poppleton, A. Rolf, P. Scampoli, T. Schulz, G. Taylor, S. Tovey, A.R. Weidberg, X. Wu and R. Wunstorf A326 (1993) 365
Temperature effects on radiation damage to silicon detectors, E. Barberis, J.G. Boissevain, N. Cartiglia, J.A. Ellison, P. Ferguson, J.K. Fleming, K. Holzscheiter, S. Jerger, D. Joyce, J.S. Kapustinsky, J. Leslie, C. Lietzke, J.A.J. Matthews, A.P.T. Palounek, D. Pitzl, W.A. Rowe, H.F.-W. Sadrozinski, D. Skinner, W.F. Sommer, W.E. Sondheim, S.J. Wimpenny and H.J. Ziock A326 (1993) 373
Radiation effects on ac-coupled microstrip silicon detectors, N. Bacchetta, D. Bisello, G. Bolla, C. Canali, P.G. Fuochi and A. Paccagnella A326 (1993) 381
Radiation damage in detector–amplifier structures capable of signal storage, T. Beha, W. Dünnweber and P. Klein A326 (1993) 386

Transition radiation detectors, B. Dolgoshein A326 (1993) 434
The calculations of the magnetic field and forces in the ZEUS detector at HERA, F. Corriveau A326 (1993) 470
Performance of a highly segmented scintillating fibres electromagnetic calorimeter, A. Asmone, M. Bertino, C. Bini, G. De Zorzi, G. Diambrini Palazzi, G. Di Cosimo, A. Di Domenico, F. Garufi, P. Gauzzi and D. Zanello A326 (1993) 477
Radiation damage studies on polystyrene-based scintillators, G.I. Britvich, A.I. Peresypkin, V.I. Rykalin, V.G. Vasil'chenko, L.D. Kornylovskaya, S.A. Malinovskaya, V.T. Skripkina, V.M. Shershukov, E.G. Yushko, A.V. Kulichenko and A.I. Pyshchev A326 (1993) 483

A Time-of-flight array for 1 to 2 GeV/c particles, V. Sum, A.R. Berdoz, C.A. Davis, S.A. Page, W.D. Ramsay, W.T.H. van Oers, R.A. Schumacher, V.J. Zeps, D.R. Gill, T. Iijima, K. Okada and F. Takeutchi A326 (1993) 489
A phototube RICH detector, M.P. Maia, P.S. Cooper, L. Stutte, V. Solyanik, I. Filimonov and A. Nemitkin .. A326 (1993) 496
A study on undoped CsI crystals, Zong-ying Wei and Ren-yuan Zhu A326 (1993) 508
CsI photocathode QE and a simple production technique, D.F. Anderson, S. Kwan and V. Peskov A326 (1993) 611

Proceedings of the International Conference on Liquid Radiation Detectors; Their Fundamental Properties and Applications (Tokyo, Japan, April 7–10, 1992)

Section I. Ionization and scintillation I

The conduction band energy of nonpolar liquids, M. Nishikawa A327 (1993) 3
Electron–ion recombination in condensed nonpolar media, K. Shinsaka and Y. Hatano A327 (1993) 7
Photon-mediated and collisional processes in liquid rare gases, A. Hitachi A327 (1993) 11
Free-ion yields, electron mobilities, and electron–ion recombination coefficients in liquid tetramethylsilane, K. Shinsaka, Y. Nakamura, K. Endou, K. Honda, H. Yamada, K. Isoda, M. Ukai, N. Kouchi and Y. Hatano . A327 (1993) 15
Electron multiplication coefficients in liquid rare gases, A.A. Belevtsev A327 (1993) 18
Ionization op liquid krypton by electrons, gamma rays and alpha particles, E. Aprile, A. Bolotnikov, D. Chen and R. Mukherjee A327 (1993) 25
Simulation calculation on electronic processes under intense X-ray and electron beam irradiation, T. Watanabe, N. Yamamoto and X.-m. Tong A327 (1993) 31
Depth-resolved dynamics of ion-tracks: correlation between VUV- and VIS-excimer luminescences from near-liquid and liquid helium irradiated with 4 MeV/amu N- and He-ions, K. Kimura A327 (1993) 34
Ion–electron recombination in pairs: critical appraisal of a theory, R. Schiller A327 (1993) 37
Studies of geminate ion recombination and formation of excited states in liquid n-dodecane by means of a new picosecond pulse radiolysis system, Y. Yoshida, T. Ueda, T. Kobayashi, H. Shibata and S. Tagawa A327 (1993) 41
Characteristics of the charge response to alpha and beta particles in liquid argon doped with ethylene, V. Vuillemin, P. Cennini, C.W. Fabjan, D. Lacarrère, A. Looten, M. Moulson, W. Seidl, P. Carlson, W. Klamra, Th. Lindblad and B. Lund-Jensen A327 (1993) 44
Investigation of short lived isomers by liquid xenon detectors with high radiation hardness, M.A. Kirsanov, I.M. Obodovski and Yu.P. Gangrski A327 (1993) 48

Section II. Ionization and scintillation II

Ion beam pulse radiolysis studies on liquid scintillators, H. Shibata, Y. Yoshida, S. Tagawa, Y. Aoki and H. Namba A327 (1993) 53
Photoionization of dopants in liquid argon–xenon mixture, Y. Hasegawa, H. Yuta, F. Suekane, T. Kondo, Y. Unno, H. Iwasaki, Y. Sakai, Y. Watanabe, T. Tanimori, K. Kaneyuki, L. Soso, T. Doke, A. Hitachi, T. Ito, K. Hasuike, K. Masuda, E. Shibamura and T. Takahashi A327 (1993) 57
Photoionization quantum yield of TMAE (tetrakis-dimethylaminoethylene) in supercritical xenon fluid, K. Nakagawa, K. Kimura and A. Ejiri A327 (1993) 60
Scintillation response of liquid argon for 3–20 MeV He ions, J.A. LaVerne, A. Hitachi and T. Doke A327 (1993) 63
Light output and collected charge in xenon-doped liquid argon, M. Suzuki, M. Hishida, J. Ruan(Gen) and S. Kubota A327 (1993) 67
The suppression of the slow component in xenon-doped liquid argon scintillation, S. Kubota, M. Hishida, S. Himi, M. Suzuki and J. Ruan(Gen) A327 (1993) 71
Light-induced electron emission from low vapor pressure organic liquids, H. Koizumi, K. Lacmann and W.F. Schmidt A327 (1993) 75
Electron and light emissions in liquid argon and liquid methane in a divergent electric field, N. Bonifaci and A. Denat A327 (1993) 78

Section III. Electron conduction

Charge carrier energetics and dynamics in nonpolar liquids, W.F. Schmidt A327 (1993) 83
Self-trapping kinetics of electrons in liquid neon, W.F. Schmidt, Y. Sakai and A.G. Khrapak A327 (1993) 87
Excess electrons in N_2/Ar liquid mixtures, Y. Sakai, T. Ando, K. Kimura, H. Tagashira and S. Nakamura ... A327 (1993) 92
The transport and ionization coefficients of hot electrons in rare gas liquids and liquids with molecular impurities, V.M. Atrazhev A327 (1993) 95
Electron mobility and saturation of ion yield in 2,2,4,4-tetramethylpentane, P.R. Poffenberger, A. Astbury, M. Fincke-Keeler, R.K. Keeler, Y. Li, L.P. Robertson, M. Rosvick, P. Schenk, C. Oram and R. Sobie A327 (1993) 99
Electron conduction in methylsilanes and their mixtures, J. Engler, J. Knapp and G. Vater A327 (1993) 102

Pre-breakdown current in liquid nitrogen under dc nonuniform field, R. Hanaoka, R. Ishibashi, M. Kasama, A. Uchiyama and A. Kawaguchi A327 (1993) 107

Section IV. Detector physics

A historical view on the R & D for liquid rare gas detectors, T. Doke A327 (1993) 113
Liquid xenon ionization spectrometers for MeV region, I.M. Obodovski A327 (1993) 119
Energy resolution in liquid Ar or Xe ionization chamber doped with photo-ionizing molecules, E. Shibamura . A327 (1993) 124
Signal saturation of strongly ionizing particles in TMS ionization chambers, J. Engler, H.J. Gils, J. Knapp, H. Rebel and R. Supper A327 (1993) 128
Characteristics of an ionization chamber using tetramethylgermanium, K. Masuda, H. Yuta, K. Abe, K. Hasegawa, F. Suekane, N. Kawamura, J. Katayama, T. Nakajima, H. Hanada, K. Neichi, Y. Hasegawa, Y. Iwasaki, K. Suzuki, M. Kuriki, M. Higuchi, Y. Hoshi, H. Iso, M. Sakamoto, R. Kikuchi, K. Miyano and K. Ishimaru A327 (1993) 134
Time resolution of ionization chamber filled with liquid krypton and xenon, P.K. Lebedev and S.V. Muraviev . A327 (1993) 138
The minimum and heavily ionizing components of particle showers, G.C. Blazey and R.J. Hirosky A327 (1993) 141
Operating characteristics of photomultipliers at low temperature, M. Ichige, T. Doke, Y. Doi and Y. Yoshimura A327 (1993) 144
New mesh type silicon photodiode and its performance, T. Kashiwagi, T. Doke, J. Kikuchi, N. Ishida, H. Onabe and M. Obinata A327 (1993) 148
Measurement of attenuation length of scintillation light in liquid xenon, N. Ishida, T. Doke, J. Kikuchi, K. Kuwahara, T. Kashiwagi, M. Ichige, K. Hasuike, K. Ito, S. Ben, A. Hitachi, Y.H. Qu, K. Masuda, M. Suzuki, M. Kase, T. Takahashi, M. Chen, S. Sumorok, M. Gaudreau and E. Aprile A327 (1993) 152
Condensed krypton scintillators, D.Yu. Akimov, A.I. Bolozdynya, D.L. Churakov, A.V. Koutchenkov, V.F. Kuzichev, V.N. Lebendenko, I.A. Rogovsky, M. Chen, V.Yu. Chepel and V.V. Sushkov A327 (1993) 155
Spark discharge method of liquid rare-gas, S.G. Pokachalov, M.A. Kirsanov, A.A. Kruglov and I.M. Obodovski A327 (1993) 159
Ultra high level liquid argon purification using electron emission from a tip array, G. Bressi, G. Carugno, E. Conti, E. D'Uscio and D. Zanello A327 (1993) 163
Purification and purity control system for 2β-decay experiment with liquid Ar ionization chamber, A.S. Barabash and V.N. Stekhanov A327 (1993) 168

Section V. Applications

The ICARUS R & D program and results, P. Benetti, E. Calligarich, R. Dolfini, A.G. Berzolari, F. Mauri, L. Mazzone, C. Montanari, A. Piazzoli, A. Rappoldi, G.L. Raselli, D. Scannicchio, A. Bettini, F. Casagrande, P. Casoli, S. Centro, B. Dainese, C.D. Vecchi, F. Gasparini, G. Muratori, A. Pepato, F. Pietropaolo, P. Rossi, S. Suzuki, S. Ventura, F. Cavanna, G. Piano Mortari, P. Cennini, S. Cittolin, C. Rubbia, M. Cheng, D. Cline, S. Otwinowski, M. Zhou, L. Fortson, P. Picchi, H. Wang and L. Periale A327 (1993) 173
Physics studies with ICARUS and a hybrid ionization and scintillation fiber detector, D.B. Cline A327 (1993) 178
Homogeneous scintillating LKr/Xe calorimeters, M. Chen, M. Mullins, D. Pelly, S. Shotkin, K. Sumorok, D. Akyuz, E. Chen, M.P.J. Gaudreau, A. Bolozdynya, V. Tchernyshev, P. Goritchev, V. Khovansky, A. Koutchenkov, A. Kovalenko, V. Lebedenko, V. Vinogradov, L. Gusev, V. Sheinkman, R.N. Krasnokutsky, R.S. Shuvalov, N.N. Fedyakin, V. Sushkov, M. Akopyan, T. Doke, J. Kikuchi, A. Hitachi, T. Kashiwagi, K. Masuda, E. Shibamura, N. Ishida and S. Sugimoto A327 (1993) 187
Liquid krypton electromagnetic calorimeter, V.M. Aulchenko, A.D. Bukin, S.G. Klimenko, G.M. Kolachev, L.A. Leontiev, A.L. Maslennikov, A.P. Onuchin, V.S. Panin, S.V. Peleganchuk, S.G. Pivovarov, V.A. Rodyakin, V.A. Tayursky, Yu.A. Tikhonov, V.I. Yurchenko, F. Lanni, G. Lo Bianco, B. Maggi, F. Palombo, A. Sala, P. Cantoni, P.L. Frabetti, L. Stagni, P.F. Manfredi, V. Re and V. Speziali A327 (1993) 193
Particle identification in a liquid argon calorimeter, H.J. Crawford A327 (1993) 199
Detection of energy deposition down to the keV region using liquid xenon scintillation, P. Benetti, E. Calligarich, R. Dolfini, A. Gigli Berzolari, F. Mauri, L. Mazzone, C. Montanari, A. Piazzoli, A. Rappoldi, G.L. Raselli, D. Scannicchio, A. Bettini, F. Casagrande, P. Casoli, S. Centro, B. Dainese, C. De Vecchi, F. Gasparini, G. Muratori, A. Pepato, F. Pietropaolo, P. Rossi, S. Suzuki, S. Ventura, C. Castagnoli, G. Mannocchi, L. Periale, F. Cavanna, G. Piano Mortari, P. Cennini, S. Cittolin, C. Rubbia, M. Cheng, D. Cline, S. Otwinowski, M. Zhou, L. Fortson, P. Picchi and H. Wang A327 (1993) 203
Underground Physics with liquid xenon detectors, P. Belli, R. Bernabei, C. Bacci, A. Incicchitti and D. Prosperi A327 (1993) 207
The H1 LAr calorimeter at HERA, design, performance and status, V. Korbel A327 (1993) 209
Calibration of the H1 liquid argon calorimeter, P. Schacht A327 (1993) 212
A Monte Carlo analysis of the liquid xenon TPC as gamma-ray telescope, E. Aprile, A. Bolotnikov, D. Chen and R. Mukherjee A327 (1993) 216

Present and future production of xenon and krypton in the former USSR region and some physical properties of these gases, P.K. Lebedev and V.I. Pryanichnikov A327 (1993) 222

Absolute in sity energy calibrations of luminosity calorimeters in the DELPHI experiments at LEP, L. Bugge, M. Dam, A.L. Read, J. Myrheim and G. Skjevling A327 (1993) 296
Apparatus for the measurement of spin dependent observables in np and pp elastic and quasi-elastic scattering, J. Ball, Ph. Chesny, M. Combet, J.M. Fontaine, R. Kunne, J.L. Sans, J. Bystricky, C.D. Lac, D. Legrand, F. Lehar, A. de Lesquen, M. de Mali, F. Perrot-Kunne, L. van Rossum, P. Bach, Ph. Demierre, G. Gaillard, R. Hess, Z.F. Janout, D. Rapin, Ph. Sormani, B. Vuaridel, J.P. Goudour, R. Binz, A. Klett, E. Rössle, H. Schmitt, L.S. Barabash, Z. Janout, V.A. Kalinnikov, Yu.M. Kazarinov, B.A. Khachaturov, V.N. Matafonov, I.L. Pisarev, A.A. Popov, Ya.A. Usov, M. Beddo, D. Grosnick, T. Kasprzyk, D. Lopiano and H. Spinka A327 (1993) 308
Test beam results using scintillating fibers read out by a multianode phototube and visible light photon counters, B. Abbott, R. Davies, D. Koltick, R. McIlwain, C.J. Schmitz, E.I. Shibata, M. Atac, B. Baumbaugh, J. Jaques, R. Kehoe, J. Marchant, R. Ruchti, J. Warchol, M. Wayne, M. Binkley, J. Elias, H. Goldberg, S. Margulies, J. Solomon, T. Armstrong, R. Lewis and G. Smith A327 (1993) 319
Microchannel plate operation at high count rates: further studies, G.W. Fraser, M.T. Pain and J.E. Lees A327 (1993) 328
Radiation effects in intrinsic 3HF scintillator, A.D. Bross and A. Pla-Dalmau A327 (1993) 337
Investigation of new inorganic materials for homogeneous electromagnetic calorimeters, A.V. Antipov, G.I. Britvich, A.A. Chumakov, V.G. Vasil'chenko, I.I. Buchinskaya, E.A. Krivandina, B.P. Sobolev, Z.I. Zhmurova, E.G. Devitsin, V.A. Kozlov, Yu.A. Krechko and Yu.D. Motin A327 (1993) 346
Evaluation of p-terphenyl and 2,2″ dimethyl-p-terphenyl as wavelength shifters for barium fluoride, T.A. DeVol, D.K. Wehe and G.F. Knoll A327 (1993) 354
Response of the BaF_2 scintillator to light charged particles, A. Del Zoppo, C. Agodi, R. Alba, G. Bellia, R. Coniglione, P. Finocchiaro, C. Maiolino, E. Migneco, A. Peghaire, P. Piattelli and P. Sapienza A327 (1993) 363
Investigation of CsI and CsI–TMAE VUV-photocathodes in vacuum and gas media, H. Bräuning, A. Breskin, R. Chechik, P. Miné and D. Vartsky A327 (1993) 369
A radial projection drift chamber using a CO_2–iC_4H_{10} gas mixture, M. Grossmann-Handschin, K.-D. Groth, P. Hawelka, J. Hofmann, B. Krause, N. Lordong, F. Muheim, S. Playfer and P. Wintz A327 (1993) 378
Kapton straw chambers for a tracking transition radiation detector, V. Bondarenko, B. Dolgoshein, V. Grigoriev, O. Kondratiev, A. Medvedev, S. Pavlenko, M. Potekhin, A. Romaniouk, V. Sosnovtsev, V. Tcherniatine and S. Muraviev A327 (1993) 386
The kaon spectrometer at SIS, P. Senger, W. Ahner, P. Baltes, P. Beckerle, Ch. Bormann, D. Brill, M. Cieślak, E. Grosse, W. Henning, P. Koczoń, B. Kohlmeyer, W. Konrad, D. Miśkowiec, Ch. Müntz, H. Oeschler, H. Pöppl, W. Prokopowicz, F. Pühlhofer, S. Sartorius, R. Schicker, B. Schlei, E. Schwab, Y. Shin, J. Speer, J. Stein, K. Stiebing, R. Stock, H. Ströbele, Ch. Sturm, K. Völkel, A. Wagner and W. Waluś A327 (1993) 393
The small angle spectrometer of experiment UA8 at the $Sp\bar{p}S$-collider, A. Brandt, J. Ellett, S. Erhan, R. Jackson, A. Kuzucu, M. Medinnis, P. Oillataguerre, N. Ozdes, P. Schlein, M. Zeyrek, J. Zweizig, J.B. Cheze and J. Zsembery A327 (1993) 412
Cryogenic thermal detector with LiF absorber for direct dark matter search experiment, (*Letter to the Editor*) M. Minowa, M. Sakamoto, Y. Ito, T. Watanabe, W. Ootani and Y. Ootuka A327 (1993) 612
The DELPHI Microvertex detector, N. Bingefors, H. Borner, R. Boulter, M. Caccia, V. Chabaud, H. Dijkstra, P. Eerola, E. Gross, R. Horisberger, L. Hubbeling, B. Hyams, M. Karlsson, G. Maehlum, K. Ratz, I. Roditi, J. Straver, W. Trischuk, P. Weilhammer, Y. Dufour, P. Brückman, P. Jałocha, P. Kapusta, M. Turała, A. Zalewska, J. Lindgren, R. Orava, K. Österberg, C. Ronnqvist, H. Saarikko, J.P. Saarikko, T. Tuuva, B. d'Almagne, P. Bambade, F. Couchot, F. Fulda, A. Amery, P.S.L. Booth, A.R. Campion, R. McNulty, N.A. Smith, A. Andreazza, M. Battaglia, P. Biffi, V. Bonvicini, W. Kucewicz, C. Meroni, N. Redaelli, A. Stocchi, C. Troncon, G. Vegni, P. Dauncey, M. Mazzucato, M. Pegoraro, A. Peisert, M. Baubillier, J. Chauveau, W. Da Silva, J.F. Genat, F. Rossel, T. Adye, R. Apsimon, J. Bizell, L. Denton, G.E. Kalmus, J. Lidbury, P. Seller, M. Tyndel, W. Dulinski, D. Husson, A. Lounis, M. Schaeffer, R. Turchetta, R. Brenner and E. Sundell A328 (1993) 447
The lead–liquid argon sampling calorimeter of the SLD detector, D. Axen, S. Bougerolle, R. Sobie, G. Eigen, F. De Jongh, D. Hitlin, M. Kelsey, M. Klein, A. Mincer, W. Wisniewski, R. Wolf, C. Arroyo, Y. Au, C. Baltay, T. Bolton, A. Bazarko, L. Camilleri, E. Hyatt, S. Manly, S. Rabinowitz, P.C. Rowson, S. Seligman, M.H. Shaevitz, S. Smith, R.V. Steiner, I. Abt, D. Alzofon, D. Arnett, F. Barrera, R. Bell, S.C. Bes, J. Bogart, M. Breidenbach, A. Candia, R. Claus, H. Cutler, R. Davis, R. Dubois, M. Foss, J. Fox, M. Fox, A. Gioumousis, A. Grebenyuk, G. Haller, V. Hamilton, J. Hodgson, M. Huffer, T. Junk, P. Kim, J. Labs, H. Neal, D. Nelson, M. Nordby, L. Paffrath, G. Putallaz, H. Rogers, J.J. Russell, P. Saez, P. Seward, D. Sherden, K. Skarpaas, R.H. Schindler, A.P. Waite, R. Watt, J. Brau, B. Bugg, A. Weidemann, D. Gurd, C. Oram, A. Astbury, G. Beer, G. Cross, T. Hodges, A. Honma, R. Keeler, R. Langstaff, G. Mason, P.

Poffenberger, L. Robertson, P. Schenk, A. Turcot, M. Turcotte, V. Cook, D. Forbush, J. Harrison, H. Kim, Ma Ji, P. Mockett, F. Toevs and E. Vella A328 (1993) 472
A novel grid geometry of long detector modules for a time-of-flight system, G. Daskalakis, A.D. Panagiotou and G.S. Ioannidis A328 (1993) 495
Radiation hardness of undoped CsI crystals against high energy protons, M. Kobayashi, M. Ieiri, K. Kondo, T. Miura, H. Noumi, M. Numajiri, Y. Oki, T. Suzuki, M. Takasaki, K. Tanaka, Y. Yamanoi, S. Sugimoto and M. Ishii A328 (1993) 501
Radiation resistivity of large CeF_3 crystals *(Letter to the Editor)*, P. Kozma, S. Afanasiev, A. Malakhov and A. Povtoreiko A328 (1993) 599
Beam tests of composite calorimeter configurations from reconfigurable-stack calorimeter, A. Beretvas, A. Byon-Wagner, G.W. Foster, J. Freeman, D. Green, C. Hojvat, R. Tokarek, G. Zhang, Y. Zhou, E. Bartosz, V. Hagopian, H. Whitaker, D.E. Groom, R.W. Kadel, R. Gustafson, C. Leggett, M. Shappirio, J. Huston, L. Cremaldi, J. Reidy, D. Summers, V.E. Barnes, P. de Barbaro, A. Bodek, H. Budd, Q. Fan, W.K. Sakumoto, R. Walker and C. Zhao A329 (1993) 50
A wide band photon beam at the Fermilab Tevatron to study heavy flavors, P.L. Frabetti, C.W. Bogart, J. Cumalat, S. Culy, H. Cheung, W. Johns, J.N. Butler, S. Cihangir, R. Currier, F. Davenport, I. Gaines, P.H. Garbincius, S. Gourlay, D.J. Harding, R. Justice, P. Kasper, A. Kreymer, P. Lebrun, S. Shukla, S. Bianco, F.L. Fabbri, A. Spallone, A. Zallo, G. Jaross, K. Lingel, J. Wiss, G. Alimonti, G. Bellini, B. Caccianiga, W.R. Gavaletti, L. Cinquini, P. D'Angelo, M.D. Corato, M. Giammarchi, P. Inzani, F. Leveraro, S. Malvezzi, P.F. Manfredi, D. Menasce, E. Meroni, L. Moroni, D. Pedrini, L. Perasso, F. Ragusa, A. Sala, S. Sala, D. Torretta, M. Vittone, D. Buchholz, C. Castoldi, D. Claes, B. Gobbi, S. Park, R. Yoshida, J.M. Bishop, J.K. Busenitz, N.M. Cason, J.D. Cunningham, R.W. Gardner, C.J. Kennedy, E.J. Mannel, R.J. Mountain, D.L. Puseljic, R.C. Ruchti, W.D. Shephard, Z.Y. Wu, M.E. Zanabria, V. Arena, G. Boca, R. Diaferia, S.P. Ratti, C. Riccardi, P. Vitulo, A. Lopez, H. Mendez and J.R. Wilson A329 (1993) 62
The HERA polarimeter and the first observation of electron spin polarization at HERA, D.P. Barber, H.-D. Bremer, M. Böge, R. Brinkmann, W. Brückner, Ch. Büscher, M. Chapman, K. Coulter, P.P.J. Delheij, M. Düren, E. Gianfelice-Wendt, P.E.W. Green, H.G. Gaul, H. Gressmann, O. Häusser, R. Henderson, T. Janke, H. Kaiser, R. Kaiser, P. Kitching, R. Klanner, P. Levy, H.-Ch. Lewin, M. Lomperski, W. Lorenzon, L. Losev, R.D. McKeown, N. Meyners, B. Micheel, R. Milner, A. Mücklich, F. Neunreither, W.-D. Nowak, P.M. Patel, K. Rith, Ch. Scholz, E. Steffens, M. Veltri, M. Vetterli, W. Vogel, W. Wander, D. Westphal, K. Zapfe and F. Zetsche A329 (1993) 79
On the cross calibration of calorimeters at ep colliders, J. Blümlein and M. Klein A329 (1993) 112
A microstrip Decay Detector for beauty physics, M. Adinolfi, C. Angelini, D. Barney, A. Cardini, B.R. French, R.B. Hurst, C. Lazzeroni, P. Martinengo, A. Menetrey, C. Roda and L. Rossi A329 (1993) 117
The electrostatic field in microstrip chambers and its influence on detector performance, J.J. Florent, J. Gaudaen, L. Ropelewski and F. Sauli A329 (1993) 125
Investigation of resistive parallel plate chambers, I. Crotty, J.L. Valverde, G. Laurenti, M.C.S. Williams and A. Zichichi A329 (1993) 133
Gas amplification in high pressure proportional counters, Z. Ye, R.K. Sood, D.P. Sharma, R.K. Manchanda and K.B. Fenton A329 (1993) 140
Position sensitivity by light splitting in scintillator arrays, EDDA Collaboration, J. Bisplinghoff, R. Bollmann, P. Cloth, F. Dohrmann, G. Dorner, V. Drüke, J. Ernst, P.D. Eversheim, D. Filges, M. Gasthuber, R. Gebel, A. Groß, R. Groß-Hardt, F. Hinterberger, R. Jahn, L. Kühl, U. Lahr, R. Langkau, G. Lippert, T. Mayer-Kuckuk, R. Maschuw, G. Mertler, B. Metsch, F. Mosel, H. Paetz gen. Schieck, H.R. Petry, D. Prasuhn, B. v. Przewoski, H. Rohdjeß, D. Rosendaal, P. v. Rossen, H. Scheid, N. Schirm, F. Schwandt, W. Scobel, L. Sprute, H. Stein, D. Theis, J. Weber, W. Wiedmann, K. Woller and R. Ziegler A329 (1993) 151
Event identification with a time projection chamber in a double beta decay experiment on ^{136}Xe, H.T. Wong, D.A. Imel, V. Jörgens, M. Treichel and J.-C. Vuilleumier A329 (1993) 163
Behavior of the SQS mode observed as a function of the radial distance of the position of primary ionization *(Letter to the Editor)*, S. Ito, M. Tosaki, N. Maeda, R. Katano and Y. Isozumi A329 (1993) 564
Test of principle of an Optical Trigger for Beauty, D.M. Kaplan, M. Apolinski, W. Luebke and S.W.L. Kwan A330 (1993) 33
Peculiarities of using the bent crystal for the extraction of protons from the IHEP accelerator to the PROZA setup, A.A. Asseev, A.N. Vasil'ev, E.A. Ludmirsky, V.A. Maisheev, S.B. Nurushev and Yu.S. Fedotov ... A330 (1993) 39
The construction and performance of single-layer honeycomb strip chambers in the TRACAL detector of RD5, F. Bakker, H. van der Graaf, A. Korporaal, R. Loos, P.A.M. Rewiersma, G.A.A. Witteman, R. Bergman, C. Brouwer, J. Dijkema, A.C. König, C.L.A. Pols, T. Wijnen, A. Bettini, P. Casoli, S. Centro, R. Martinelli, A. Meneguzzo, M. Nicoletto, P. Zotto, A. Di Ciaccio, A. Nisati, M. Andlinger, A. Kluge, F. Szoncso, G. Walzel, C.-E. Wulz, V. Karimäki, M. Pimiä, R. Kinnunen, J. Tuominiemi, J.L. Bénichou, M. Della Negra, K. Eggert, A. Hervé, D. Peach, E. Radermacher, C. Seez, G. Waurick and G. Wrochna A330 (1993) 44
Study of a drift chamber filled with a helium–ethane mixture, S. Uno, Y. Sakai, T. Tsukamoto, K. Abe, I. Adachi, T. Nozaki, M. Saitoh, O. Sasaki, H. Yamaoka, K. Emi, O. Nitoh, K. Takahashi, M. Aoki, R.

Kajikawa, K. Miyabayashi, E. Nakano, Y. Ohnishi, K. Shimozawa, A. Sugiyama, S. Suzuki, F. Teramae, T. Toyama and T. Yamaki A330 (1993) 55
A vertex drift chamber for the VENUS detector at TRISTAN, Y. Yamada, K. Hayashi, N. Ishihara, S. Nakamura, T. Ohama, H. Sakamoto, T. Sumiyoshi, F. Hinode, Y. Narita, T. Oyama, M. Utsumi, F. Yabuki, Y. Hemmi, H. Kurashige, K. Miyake, A. Okamoto, M. Daigo and N. Tamura A330 (1993) 64
Modular wall-less drift chamber for muon detection at the LHC, H. Faissner, Th. Moers, R. Priem, B. Razen, D. Rein, H. Reithler, D. Samm, R. Schleichert, H. Schwarthoff, H. Tuchscherer and H. Wagner A330 (1993) 76
Electrostatic collection and detection of proton-rich projectile fragments in a microstrip-anode gas counter, B. Blank, C. Marchand, R. Del Moral, J.P. Dufour,L. Faux, A. Fleury and M.S. Pravikoff A330 (1993) 83
Test results of the first proximity focused hybrid photodiode detector prototypes, S. Basa, J.C. Clemens, M. Commerçon, D. Sauvage, S. Tisserant and J.M. Gaillard A330 (1993) 93
Timing study with fast photomultipliers equipped with a screening grid at the anode, M. Moszyński A330 (1993) 100
Radiation hardness of cerium-doped gadolinium silicate Gd_2SiO_5:Ce against high energy protons, fast and thermal neutrons, M. Kobayashi, M. Ieiri, K. Kondo, T. Miura, H. Noumi, M. Numajiri, Y. Oki, T. Suzuki, M. Takasaki, K. Tanaka, Y. Yamanoi and M. Ishii A330 (1993) 115
Measurement of the time development of particle showers in a uranium scintillator calorimeter, A. Caldwell, L. Hervás, J.A. Parsons, F. Sciulli, W. Sippach and L. Wai A330 (1993) 389
Performance of a liquid argon preshower detector integrated with an Accordion calorimeter, RD3 Collaboration, B. Aubert, A. Bazan, B. Beaugiraud, J. Colas, T. Leflour, M. Maire, J.P. Vialle, I. Wingerter-Seez, Y.P. Zolnierowski, H.A. Gordon, V. Radeka, D. Rahm, D. Stephani, N. Bulgakov, J.L. Chevalley, C.W. Fabjan, D. Fournier, O. Gildemeister, P. Jenni, M. Nessi, F. Nessi-Tedaldi, M. Pepe, W. Richter, J. Soderqvist, V. Vuillemin, J.M. Baze, L. Gosset, P. Lavocat, J.P. Lottin, B. Mansoulie, J.P. Meyer, J.F. Renardy, J. Teiger, H. Zaccone, G. Battistoni, D.V. Camin, D. Cavalli, G. Costa, A. Cravero, A. Ferrari, F. Gianotti, L. Mandelli, M. Mazzanti, L. Perini, G. Pessina, M. Sciamanna, E. Augé, R. Chase, J.C. Chollet, C. de La Taille, L. Fayard, A. Hrisoho, Ph. Jean, G. Le Meur, B. Merkel, J.M. Noppe, G. Parrour, P. Pétroff, J.P. Repellin, A. Schaffer, N. Seguin, G. Unal, C. Fuglesang and M. Lefebvre A330 (1993) 405
In-beam tests of proximity mesh dynode tubes for the STAR TOF subsystem, S. Ahmad, B.E. Bonner, W. Gere, G.S. Mutchler, P. Rambo, S. Toshkov, E. Platner, H.J. Crawford and J.M. Engelage A330 (1993) 416
Data acquisition system and results for the ALEPH very forward luminosity monitor at LEP, R. Alemany, E. Fernández, M. Martínez, P. Mató, J.A. Perlas and J. Rothberg A330 (1993) 422

Instruments and Methods for Nuclear Spectroscopy

The Geiger discharge revisited. Part I. The charge generated, Wilkinson, D.H. A321 (1992) 195
A digital processor for nuclear spectroscopy with cryogenic detectors, Cosulich, E. and F. Gatti A321 (1992) 211
Preparation of thin counting samples by volatilization–condensation, Hickmann, U., N. Greulich, N. Trautmann and G. Herrmann A321 (1992) 216
Response of BGO sectors to protons up to 170 MeV, Zucchiatti, A., P. Levi Sandri, C. Schaerf, A.A. Cowley, J.V. Pilcher, L. Mazzaschi, M. Alghinolfi, N. Bianchi, L. Casano, P. Corvisiero, A. D'Angelo, E. De Sanctis, G. Gervino, B. Girolami, V. Lucherini, V. Mokeev, V. Muccifora, P. Picozza,E. Polli, A.R. Reolon, G. Ricco, M. Ripani, P. Rossi, M. Sanzone and M. Taiuti A321 (1992) 219
Study of a time-of-flight spectrometer based on two NE-213 scintillators, Půlpán, J. and M. Králík A321 (1992) 223
Determination of the random particle energy spectrum in tagged photon experiments, Van Hoorebeeke, L., D. Ryckbosch, C. Van den Abeele, R. Van de Vyver, J. Dias, F. De Smet, B. Schröder and D. Nilsson A321 (1992) 230
The effect of the photomultiplier nonuniformity on the performance of gas proportional scintillation counters, Dos Santos, J.M.F., A.C.S.S.M. Bento and C.A.N. Conde A321 (1992) 238
Flow monitor for actinide solutions by simultaneous α and β(γ) counting using a CsI(Tl) scintillator, Usuda, S. and H. Abe A321 (1992) 242
Rise time spectra of α and β(γ) rays from solid and solution sources with several solid scintillators, Usuda, S., A. Mihara and H. Abe A321 (1992) 247
Determination of nuclear charge resolution of a thin film detector using a ^{252}Cf fission fragment source, Milosevich, Z., M.L. Muga and R.L. Coldwell A321 (1992) 254
Complex time distributions from isomers in cascade: a case in ^{176}Lu, Petkov, P., W. Andrejtscheff and S. Avramov A321 (1992) 259
A twelve detector coincidence spectrometer for on-line and off-line measurements of nuclear *g*-factors, Alfter, I., E. Bodenstedt, B. Hamer, J. van den Hoff, W. Knichel, H. Münning, S. Piel, J. Schüth and R. Sajok ... A321 (1992) 506
Precise measurement of the $J^\pi = 1^-$ resonance in ^{14}N by $^{13}C + p$ elastic scattering on a thick target, Benjelloun, M., Th. Delbar, W. Galster, P. Leleux, E. Liénard, P. Lipnik, P. Duhamel, J. Vanhorenbeeck, C. Rolfs, G. Roters, H.P. Trautvetter and W. Rodney A321 (1992) 521

Calibration of the response function of CsI(Tl) scintillators to intermediate-energy heavy ions, Colonna, N., G.J. Wozniak, A. Veeck, W. Skulski, G.W. Goth, L. Manduci, P.M. Milazzo and P.F. Mastinu A321 (1992) 529
Detection of X-ray polarization with a charge coupled device (*Letter to the Editor*), Tsunemi, H., K. Hayashida, K. Tamura, S. Nomoto, M. Wada, A. Hirano and E. Miyata A321 (1992) 629
Nuclear spectroscopy using risetimes in cerussite scintillator, P. Harihar, W.J. Stapor, A.B. Campbell, A.R. Knudson, J. Cutchin and C.C. Blatchley A322 (1992) 40
Particle identification in solid-state detectors by exploiting pulse shape information, G. Pausch, W. Bohne, H. Fuchs, D. Hilscher, H. Homeyer, H. Morgenstern, A. Tutay and W. Wagner A322 (1992) 43
Preparation of large and thin source films for studying nuclear rare decays, N. Kudomi, T. Shima, H. Ejiri, J. Tanaka and T. Watanabe A322 (1992) 53
Study of the $KMgF_3$ scintillator radiation damage, A.F. Buzulutskov, G.I. Britvich, V.I. Kochetkov, M.V. Mityagin, L.L. Vistin and I.P. Zibrov A322 (1992) 235
Studies on decay time of fluorescence from a series of Ce-doped BaF_2 crystals, Xu Zizong, Gong Zhufang, Chang Jin, Shi Caoshu, Sheng Dingzhong, Yuan Xianglong and Yin Zhiwen A322 (1992) 239
BaF_2 crystal as forward angle detector in intermediate energy heavy ion reaction research, Guanhua Liu, Zhongyan Guo, Wenlong Zhan, Yongtai Zhu, Xiaoqing Hu, Hongfei Xi, Jianqun Zhou and Enpu Feng .. A322 (1992) 243
Simulation of the neutron and proton transport in the 14 MeV neutron time-of-flight spectrometer, TANSY, M. Hoek, N.S. Garis and G. Grosshög A322 (1992) 248
Analyzing power standard by use of the reaction $^7Li(p, \alpha)^4He$ over an incident energy range from 9 to 22 MeV (*Letter to the Editor*), Y. Tagishi, A. Tomizawa, M. Tomizawa and K. Yagi A322 (1992) 304
Heavy ions detection by using BaF_2 crystals coupled to thin plastic scintillator (*Letter to the Editor*), G. Lanzanó, A. Pagano, E.D. Filippo, E. Pollacco, R. Barth, B. Berthier, E. Berthoumieux, Y. Cassagnou, Sl. Cavallaro, J.L. Charvet, A. Cunsolo, R. Dayras, A. Foti, S. Harar, R. Legrain, V. Lips, C. Mazur, E. Norbeck, S. Urso and C. Volant A323 (1992) 694
A highly-segmented ΔE–time-of-flight wall as forward detector of the 4π-system for charged particles at the SIS/ESR accelerator, A. Gobbi, J.P. Alard, G. Augustinski, Z. Basrak, N. Bastid, I.M. Belayev, Th. Blaich, P. Boccaccio, R. Bock, S. Boussange, A. Buta, R. Čaplar, C. Cerruti, R.J. Charity, N. Cindro, J.P. Coffin, M. Crouau, F. Daudon, J.F. Devin, P. Dupieux, J. Erö, Z.G. Fan, C. Fayard, P. Fintz, Z. Fodor, L. Fraysse, R. Freifelder, S. Frolov, E. Gimenez, Y. Grigorian, G. Guillaume, N. Herrmann, K.D. Hildenbrand, S. Hölbling, F. Hornecker, A. Houari, S.C. Jeong, M. Jorio, F. Jundt, J. Kecskeméti, P. Koncz, Y. Korchagin, R. Kotte, M. Krämer, C. Kuhn, A. Lebedev, I. Legrand, C.F. Maguire, V. Manko, M. Marquardt, T. Matulewicz, S. Mayade, G. Mgebrishvili, J. Mösner, D. Moisa, G. Montarou, I. Montbel, P. Morel, W. Neubert, R. Neunlist, G. Ortlepp, D. Pelte, M. Petrovici, F. Rami, W. Reisdorf, M.A. Saettel, E. Sahuc, G. Savinel, Z. Seres, D. Schüll, B. Sikora, V. Simion, S. Smolyankin, U. Sodan, M.H. Tanaka, K.M. Teh, R. Tezkratt, B. Tischler, M. Trzaska, M.A. Vasiliev, D. Vincent, P. Wagner, J. Weinert, J.P. Wessels, T. Wienold, Z. Wilhelmi, D. Wohlfarth and A.V. Zhilin A324 (1993) 156
Large volume detector telescopes for charged particles at the SIS/ESR accelerator, G. Poggi, G. Pasquali, M. Bini, P.R. Maurenzig, A. Olmi and N. Taccetti A324 (1993) 177
A spectrometer for 1 GeV electrons using scintillation detectors, M. Anghinolfi, P. Corvisiero, G. Coscia, L. Mazzaschi, V. Mokeev, G. Ricco, M. Ripani, M. Taiuti, A. Zucchiatti, N. Bianchi, E. De Sanctis, P. Levi Sandri, V. Lucherini, V. Muccifora, E. Polli, A.R. Reolon, P. Rossi and G. Gervino A324 (1993) 191
The photon tagging facility at the Saskatchewan Accelerator Laboratory, J.M. Vogt, R.E. Pywell, D.M. Skopik, E.L. Hallin, J.C. Bergstrom, H.S. Caplan, K.I. Blomqvist, W. Del Bianco and J.W. Jury A324 (1993) 198
Gamma-ray spectroscopy of voluminous sources. Corrections for source geometry and self-attenuation, R.M.W. Overwater, P. Bode and J.J.M. de Goeij A324 (1993) 209
Precise measurement of γ-ray emission probabilities for ^{66}Cu, H. Miyahara, K. Hara, C. Mori, Y. Kasugai and K. Kawade A324 (1993) 219
Energy resolution of NE102A and NE230 scintillators for monoenergetic gamma rays, A.A. Naqvi, F.Z. Khiari, A. Coban and A.M. Al-Jalal A324 (1993) 223
An investigation of the influence of applied voltage on ionization due to electrons in free-air ionization-chambers, N. Takata and Matiullah A324 (1993) 226
Microstrip detectors in intermediate energy heavy ion physics (*Letter to the Editor*), T.M.V. Bootsma, W. Verkerke, A. van den Brink, N.J.A.M. van Eijndhoven, A.P. de Haas, W.F. van Heeringen, R. Kamermans, C.T.A.M. de Laat, P.G. Kuijer, G.J. van Nieuwenhuizen, R.J.M. Snellings and C.J.W. Twenhöfel A324 (1993) 399
Calorimetric particle detectors with superconducting absorber materials, G. Forster, P. Ferger, F. v. Feilitzsch and R.L. Mössbauer A324 (1993) 491
The energy linearity of gaseous xenon radiation detectors for X-rays with energies between 2 and 60 keV: Experimental results (*Letter to the Editor*), J.M.F. dos Santos, C.A.N. Conde and A.C.S.S.M. Bento A324 (1993) 611
New method for the centroid-shift analysis of picosecond lifetime measurements using BaF_2 scintillators, T. Seo A325 (1993) 176

Pion production at small angles, J. Langenbrunner, M.B. Barakat, E.V. Hungerford III, C.T. Pillai, N. Tanaka, H.A. Thiessen, L.J. Rybarcyk, K.W. Jones, D.B. Barlow, J.B. McClelland, D.C. Dressman, S.C. Piltch, D.N. Mihailidis, J.B. Donahue, C.L. Morris and R.D. Werbeck A325 (1993) 187
Precise measurement of gamma ray energies with HPGe spectrometer by slithering comparison method, T. Chang, S. Wang, H. Wang and B. Meng A325 (1993) 196
An in-beam polarimeter for intermediate energy protons using p + d elastic scattering, S.P. Wells, S.W. Wissink, A.D. Bacher, S.M. Bowyer, S. Chang, J. Lisantti, J. Liu, C. Olmer, A.K. Opper, T. Rinckel and E.J. Stephenson A325 (1993) 205
Response of BGO detectors to photons of 3–50 MeV energy, T. Matulewicz, W. Henning, H. Emling, R. Freifelder, H. Grein, E. Grosse, N. Herrmann, R. Holzmann, R. Kulessa, R.S. Simon, H.J. Wollersheim, B. Schoch, J. Vogt, M. Wilhelm, J.V. Kratz, R. Schmidt and , R.V.F. Janssens A325 (1993) 216
Prototypical search for radioactive superheavy elements in gases, A.J. Howard and W.P. Strange A325 (1993) 224
Standardization of ^{14}C and ^{35}S mixtures, A. Grau Carles, L. Rodriguez Barquero and A. Grau Malonda A325 (1993) 234
Quenching of scintillation in BaF_2 for light charged particles (*Letter to the Editor*), T. Matulewicz A325 (1993) 365
A multi-element detector array for heavy fragments emitted in intermediate energy nuclear reactions, I. Iori, L. Manduci, A. Moroni, R. Scardaoni, Sun ChongWen, Zhang Yuzhao, Zhang Guangming, F. Giglio, E. Mora, G. Di Pietro, L. Dellera, A. Cortesi, R. Bassini, C. Boiano, S. Brambilla, M. Malatesta, M. Bruno, M. D'Agostino, M.L. Fiandri, E. Fuschini, P.M. Milazzo, G. Busacchi, A. Cunsolo, A. Foti, C. Gianino, G. Sava, F. Gramegna, P. Buttazzo, G.V. Margagliotti, G. Vannini, G. Auger and E. Plagnol A325 (1993) 458
Atomic beam magnetic resonance apparatus for systematic measurement of hyperfine structure anomalies (Bohr–Weisskopf effect), H.T. Duong, C. Ekström, M. Gustafsson, T.T. Inamura, P. Juncar, P. Lievens, I.L.S. Matsuki, T. Murayama, R. Neugart, T. Nilsson, T. Nomura, M. Pellarin, S. Penselin, J. Persson, J. Pinard, I. Ragnarsson, O. Redi, H.H. Stroke, J.L. Vialle and the ISOLDE Collaboration A325 (1993) 465
CEMS at low temperature with a gas mixture of helium and neon, K. Fukumura, A. Nakanishi and T. Kobayashi A325 (1993) 475
Coincidence summing in gamma and X-ray spectrometry, M. Korun and R. Martinčič A325 (1993) 478
Performance of a phoswich detector composed of thin plastic and thick BaF_2 scintillators, Y. Futami, T. Mizota, Y.H. Pu, Y. Honjo, K. Yuasa-Nakagawa, H. Toyokawa, S.M. Lee, K. Furutaka, T. Murakami, J. Kasagi, K. Yoshida and T. Nakagawa A326 (1993) 513
EDEN: a neutron time-of-flight multidetector for decay studies of giant states, H. Laurent, H. Lefort, D. Beaumel, Y. Blumenfeld, S. Fortier, S. Galès, J. Guillot, J.C. Roynette, P. Volkov and S. Brandenburg ... A326 (1993) 517
A study on T-shape Compton suppression spectrometer by Monte Carlo Simulation, L.L. Kiang, R.H. Tsou, W.J. Lin, S.C. Lin, G.C. Kiang, P.K. Teng and S.D. Li A327 (1993) 427
A crystal analyzer type inelastic spectrometer using the pulsed thermal neutron source, K. Inoue, T. Kanaya, Y. Kiyanagi, K. Shibata, K. Kaji, S. Ikeda, H. Iwasa and Y. Izumi A327 (1993) 433
Optimized polarimetry for polarization-transfer experiments with protons and deuterons, L. Sydow, S. Vohl, S. Lemaitre, P. Nießen, K.R. Nyga, R. Reckenfelderbäumer, G. Rauprich and H. Paetz gen. Schieck A327 (1993) 441
A furnace for high temperature perturbed angular correlation measurements, M. Forker, W. Herz, U. Hütten, M. Müller, R. Müßeler, J. Schmidberger, D. Simon, A. Weingarten and S.C. Bedi A327 (1993) 456
A nuclide-separation wire precipitator for measurement of noble-gas fission products, M. Katagiri, M. Kishimoto, H. Ito, H. Yoshida, M. Fukushima, H. Ohkawa and T. Saruta A327 (1993) 463
The gamma ray energy tagging spectrometer of the ROKK-2 facility at the VEPP-3 storage ring, G.Ya. Kezerashvili, A.M. Milov and B.B. Wojtsekhowski A328 (1993) 506
An improved rotating disc cathode cell for electrodeposition of actinides. The case of plutonium, V.A. Becerril, V.Y. Meas, R.A. Tejera and P. Ozil A328 (1993) 512
Exact evaluation of triplet photoproduction, I. Endo and T. Kobayashi A328 (1993) 517
Response of MEDEA BaF_2 detectors to 20–280 MeV photons, G. Bellia, R. Alba, R. Coniglione, A. Del Zoppo, P. Finocchiaro, C. Maiolino, E. Migneco, P. Piattelli, P. Sapienza, N. Frascaria, I. Lhenry, J.C. Roynette, T. Suomijärvi, N. Alamanos, F. Auger, A. Gillibert, D. Pierroutsakou, J.L. Sida and P.R. Silveira Gomes A329 (1993) 173
Thermoluminescence and transmission recovery of gamma irradiated $Bi_4Ge_3O_{12}$ single crystal, S.C. Sabharwal, H. Prasad, D.G. Desai, Sangeeta, S.C. Karandikar and M.K. Gupta A329 (1993) 179
^{238}U spontaneous fission-induced background in NaI scintillators, M. Omori, G. Braoudakis and L.S. Peak .. A329 (1993) 183
Measurement of $^{137}Cs(\gamma, n)$ cross section by nuclear recoil separation method, A. Yamadera, Y. Uno, T. Nakamura, I. Fujiwara, S. Shibata and T. Kase A329 (1993) 188
A deuteron tensor polarimeter for energies below 90 keV, K.A. Fletcher, T.C. Black, H.J. Karwowski, E.J. Ludwig and Y. Tagishi A329 (1993) 197
Mass-spectrometer with ion multiple passage of a magnetic field, S.P. Karetskaya, V.M. Kel'man, A.G. Mit' and E.M. Yakushev A329 (1993) 202
A double-arm fission fragment spectrometer with PIN diode arrays, Y.S. Kim, P. Hofmann, H. Daniel, T. von Egidy, T. Haninger, F.-J. Hartmann, M.S. Lotfranaei and H.S. Plendl A329 (1993) 403

Measurement of the K-shell fluorescence yield of Ca and K with a windowless Si(Li) detector, V.A. Solé, B. Denecke, G. Grosse and W. Bambynek A329 (1993) 418
Precise determination of the mass difference $^{76}Ge - ^{76}Se$ and a derived upper limit on the Majorana mass of the electron neutrino, J.G. Hykawy, J.N. Nxumalo, P.P. Unger, C.A. Lander, R.D. Peters, R.C. Barber, K.S. Sharma and H.E. Duckworth A329 (1993) 423
CsI(Tl)-photodiode detectors for spectroscopy at low radiation levels, R. Kotthaus A329 (1993) 433
A system for Coulomb explosion imaging of small molecules at the Weizmann Institute, D. Kella, M. Algranati, H. Feldman, O. Heber, H. Kovner, E. Malkin, E. Miklazky, R. Naaman, D. Zajfman, J. Zajfman and Z. Vager A329 (1993) 440
"The Tube": a simple 4π detector for enhancing channels in γ-ray spectroscopy experiments, P.-F. Hua, D.G. Sarantites, L.G. Sobotka, J.L. Barreto and A. Kirov A330 (1993) 121
4π-ionization chamber – a detector for a kinematic separator of heavy ion reaction products, A.N. Andreyev, D.D. Bogdanov, V.I. Chepigin, V.A. Gorshkov, K.V. Michailov, A.P. Kabachenko, G.S. Popeko, S. Saro, G.M. Ter-Akopian, A.V. Yeremin and Sh.S. Zeinalov A330 (1993) 125
A compact TDPAC spectrometer, A. Bartos, K. Schemmerling, Th. Wenzel and M. Uhrmacher A330 (1993) 132
Performance of the inverse photoemission spectrometer with a new bandpass photon detector of narrow bandwidth and high sensitivity, Y. Ueda, K. Nishihara, K. Mimura, Y. Hari, M. Taniguchi and M. Fujisawa A330 (1993) 140
Backscattering of electrons in EBIS collectors, A.I. Hershcovitch and A.E. Kponou A330 (1993) 144
Detection of X-ray fluorescence of light elements by electron counting in a low-pressure gaseous electron multiplier, A. Pansky, A. Breskin, R. Chechik and G. Malamud A330 (1993) 150
Direct measurement of gaseous activities by diffusion-in long proportional counter method, M. Yoshida, T. Yamamoto, Y. Woe, T. Aratani, A. Uritani and C. Mori A330 (1993) 158
A new technique for spin alignment measurement and application to the study of resonances in ^{12}C on ^{12}C collisions, N.J. Davis, A.C. Shotter, E.W. Macdonald, T. Davinson, K. Livingston, P.J. Sellin, D. Branford, R.D. Page and P.J. Woods A330 (1993) 165
Study of Z-resolution for a parylene C ΔE-detector and for Bragg spectroscopy as a function of fragment charge and kinetic energy, M. Asghar, M. Djebara, B. Bouzid, G. Medkour and N. Boucheneb A330 (1993) 178
A phoswich array for relativistic heavy ion collisions, J.B. Costales, H.C. Britt, M.N. Namboodiri, T.C. Sangster, J.H. Thomas and H.E. Wegner A330 (1993) 183
Precise atomic mass differences in Pb and Tl and the decay energy for ^{205}Pb, M.H. Sidky, J.G. Hykawy, G.R. Dyck, B.J. Hall, R.C. Barber, K.S. Sharma, C.A. Lander and H.E. Duckworth A330 (1993) 195
γ-ray energies for calibration from the decay of ^{161}Tb, $^{172}Hf + ^{172}Lu$, and ^{241}Am, R.G. Helmer A330 (1993) 434
Laser spectroscopy of metastable antiprotonic helium atomcules, N. Morita, K. Ohtsuki and T. Yamazaki ... A330 (1993) 439
The trigger detector for APEX: An array of position-sensitive NaI(Tl) detectors for the imaging of positrons from heavy-ion collisions, N.I. Kaloskamis, K.C. Chan, A.A. Chishti, J.S. Greenberg, C.J. Lister, S.J. Freedman, M. Wolanski, J. Last and B. Utts A330 (1993) 447
Drift chambers on the basis of Mylar tube blocks, Yu. Budagov, I. Chirikov-Zorin, L. Golovanov, D. Khazins, A. Kuritsin, O. Pukhov and V. Zhukov A330 (1993) 458

Neutron Physics

Design calculations for the ANS cold neutron source. Part II. Heating rates, Alsmiller Jr, R.G. and R.A. Lillie A321 (1992) 265
A fast neutron pulsing facility at "Ruđer Bošković" institute, Blagus, S., Đ. Miljanić, D. Renić, D. Tomić, B. Vojnović and M. Zadro A321 (1992) 271
Multidisk neutron velocity selectors, Hammouda, B. A321 (1992) 275
A long neutron optical horn for the ILL neutron–antineutron oscillation experiment, Bitter, T., F. Eisert, P. El-Muzeini, M. Kessler, E. Klemt, W. Lippert, W. Meienburg, M. Baldo-Ceolin, D. Gibin, A. Guglielmi, M. Mezzetto, G. Puglierin and D. Dubbers A321 (1992) 284
A high efficiency neutron spectrometer for investigation of multiplication reactions, German, U. and G. Shani A321 (1992) 291
Evaluation and test of the response matrix of a multisphere neutron spectrometer in a wide energy range. Part I. Calibration, Aroua, A., M. Grecescu, P. Lerch, S. Prêtre, J.-F. Valley and V. Vylet A321 (1992) 298
Evaluation and test of the response matrix of a multisphere neutron spectrometer in a wide energy range. Part II. Simulation, Aroua, A., M. Grecescu, M. Lanfranchi, P. Lerch, S. Prêtre and J.-F. Valley A321 (1992) 305
Evaluation and test of the response matrix of a multisphere neutron spectrometer in a wide energy range. Part III. Validation, Aroua, A., M. Grecescu, P. Lerch, S. Prêtre and J.-F. Valley A321 (1992) 312
Improvements in the response calculation of the dual thin scintillator neutron detector, Dias, M.S. A321 (1992) 317
Neutron production measurements from an LiD fusion plate using an NE-213 detector, Na, S.H. and T.A. Parish A321 (1992) 322
The effect of the neutron spectra unfolding method on the fast neutron dose determination, Marinković, P., S. Avdić, M. Pešić and N. Zavaljevski A321 (1992) 333

Low-level neutron monitoring by use of germanium detectors, Chao, J.-H. and C. Chung A321 (1992) 535
High efficiency neutron spectrometer with low background, Arzhannikov, A.V., G.Ya. Kezerashvili and A.M. Milov A321 (1992) 539
Computer aided design of a neutron detector for neutrino measurements, Danesh, I. A321 (1992) 545
MOS neutron sensor systems and their possible applications to neutron field investigations, G. Streubel, J. Reinhard, B. Hahn and K. Kadner A322 (1992) 57
Calibration procedure and wavelength correction for neutron depolarization experiments, W. Roest and M.Th. Rekveldt A322 (1992) 65
Portable neutron-capture γ-ray source above 3.5 MeV with ^{252}Cf (*Letter to the Editor*), T. Ikuta, A. Osa, A. Taniguchi, H. Yamamoto and K. Kawade A323 (1992) 697
Calibration of the neutron rem counter LINUS in the energy range from thermal to 19 MeV, C. Birattari, A. Esposito, A. Ferrari, M. Pelliccioni and M. Silari A324 (1993) 232
The ^{9}Be(d, n) thick-target neutron spectra for deuteron energies between 2.6 and 7.0 MeV, J.W. Meadows .. A324 (1993) 239
The coherent scattering length of ^{86}Kr determined by neutron interferometry, B.P. Terburg, P. Verkerk, E. Jericha and M. Zawisky A324 (1993) 247
Fe–Al neutron polarizing supermirror on a Si crystal substrate with antireflecting Cd layer (*Letter to the Editor*), V.G. Syromyatnikov, A.F. Schebetov and Z.N. Soroko A324 (1993) 401
Method for calibration of losses in neutron lifetime experiments with UCN, V.P. Alfimenkov, A.G. Kharitonov, V.V. Nesvizhevsky, A.P. Serebrov, V.N. Shvetsov, A.V. Strelkov and R.R. Taldaev A324 (1993) 496
Neutron detection system for extremely low count rate. Calculation, construction and employment in search for "cold fusion", R.E. Mayer, N.E. Patiño, P.C. Florido, S.E. Gómez, J.R. Granada and V.H. Gillette ... A324 (1993) 501
A transport matrix for cold neutron beams propagated in neutron guides, A. Guglielmi A325 (1993) 241
Improving the resolution of chopper spectrometers at pulsed neutron sources, J.M. Carpenter and D.F.R. Mildner A325 (1993) 255
Proposal of a wide-band mirror polarizer of slow neutrons at a pulsed neutron source Yu.V. Nikitenko and Yu.M. Ostanevich A325 (1993) 485
Possibility of a crossed-beam experiment involving slow-neutron capture by unstable nuclei – "rapid-process tron", T. Yamazaki, I. Katayama and Y. Uwamino A325 (1993) 489
Light yield measurements of a NE213 detector for 2.8–14.8 MeV neutrons (*Letter to the Editor*), A.A. Naqvi, F.Z. Khiari, A. Aksoy, A. Coban and M.A. Al-Jalal A325 (1993) 574
Advances in terbium-doped, lithium-loaded scintillator glass development, G.B. Spector, T. McCollum and A.R. Spowart A326 (1993) 526
New optical transmission device to produce high monochromatic and high polarized neutron beams based on the tunneling frustrated total reflection in neutron guides, M. Maaza, B. Pardo and F. Bridou A326 (1993) 531
Plastic detectors for medium energy neutrons, A. Ahmidouch, P. Bach, R. Hess, R.A. Kunne, C. Lechanoine-Leluc, C. Mascarini, D. Rapin, J. Arvieux, R. Bertini, H. Catz, J.C. Faivre, F. Perrot-Kunne, F. Bradamante and A. Martin A326 (1993) 538
An apparatus and techniques for tests for fundamental symmetries in compound-nucleus scattering with epithermal polarized neutron beams, Triple Collaboration, N.R. Roberson, C.D. Bowman, J.D. Bowman, P.P.J. Delheij, C.M. Frankle, C.R. Gould, D.G. Haase, J.N. Knudson, G.E. Mitchell, R.N. Mortensen, S.I. Penttilä, H. Postma, S.J. Seestrom, J.J. Szymanski, S.A. Wender, S.H. Yoo, V.W. Yuan and X. Zhu A326 (1993) 549
Measurement variances in thermal neutron coincidence counting, N. Dytlewski, M.S. Krick and N. Ensslin .. A327 (1993) 469
Energy and flux measurements of the neutrons produced in a gas cell, G. Doukellis, T. Paradellis and S. Kossionides A327 (1993) 480
Integral test of a boron-10 loaded liquid scintillator for neutron detection, H.P. Chou and C.Y. Horng A328 (1993) 522
The characteristics of the prompt gamma-ray analyzing system at the neutron beam guides of JRR-3M, C. Yonezawa, A.K. Haji Wood, M. Hoshi, Y. Ito and E. Tachikawa A329 (1993) 207
The Faure cyclotron neutron source and a particle spectrometer for neutron induced emission of charged particles at energies between 60 and 200 MeV, W.R. McMurray, D.G. Aschman, K. Bharuth-Ram and R.W. Fearick A329 (1993) 217
Improved terbium-doped, lithium-loaded glass scintillator fibers, G.B. Spector, T. McCollum and A.R. Spowart A329 (1993) 223
Neutron doping of silicon in power reactors, M.L. Kozhukh A329 (1993) 453
Fast neutron irradiation for fabrication of narrow forward voltage p–i–n diodes, P.K. Bhatnagar, A. Pandya, A.R. Reddy and D.K. Thakur A329 (1993) 467
Monte Carlo simulation of the response of NaI scintillator to medium energy neutrons, P.P. Dunphy, E.L. Chupp and C.M. Jensen A330 (1993) 199
Deriving profiles of incident and scattered neutrons for TOF experiments with the spallation sources (*Letter to the Editor*), H. Watanabe A330 (1993) 310
On variants of the neutron adiabatic spin flipper, E.B. Dokukin and Yu.V. Nikitenko A330 (1993) 462

Computer Automated Measurement and Control

An integrated high performance Fastbus slave interface, Christiansen, J. and C. Ljuslin A321 (1992) 336
Parallel readout of the CERN RMH system using Transputers, Pagès, J.L., C. Comtat, C. Joseph, C. Morel, T.M. Tran, R.W. Dobinson, W. Huta, W. Lu, H. Wendler, C. Nicks and P. Schweizer A321 (1992) 342
A fast analog-to-digital readout for microstrip detectors, Caccia, M., P. Guazzoni, W. Kucewicz, C. Meroni, G. Taiocchi, G. Vegni and L. Zetta A321 (1992) 348
A CAMAC display module for fast bit-mapped graphics, R.E. Abdel-Aal A322 (1992) 78
Computer Automated Measurement and Control

A flexible IBM-PC based data acquisition system for nuclear physics experiments, B. Hovander, A. Johansson, G. Appelquist, A. Ekholm, K. Fransson and C. Bohm A325 (1993) 266
The data acquisition system of the OPAL detector at LEP, J.T.M. Baines, F. Beck, H.J. Burckhart, D.G. Charlton, R. Cranfield, G. Crone, P.A. Elcombe, P. Farthouat, C. Fukunaga, N.I. Geddes, C.N.P. Gee, F.X. Gentit, W. Gorn, J. Hart, J.C. Hill, S.J. Hillier, B. Holl, R.E. Hughes-Jones, R. Humbert, M. Jimack, R.W.L. Jones, C. Kleinwort, F. Lamarche, P.L. Du, D. Lellouch, L. Levinson, A.J. Martin, J.P. Martin, F. Meijers, R.P. Middleton, A. Montanari, B. O'Neill, G. Quast, J. Raab, D. Robinson, O. Schaile, P. Scharff-Hansen, P. Schenk, H. von der Schmitt, P. Sherwood, R. Shypit, G.P. Siroli, T.J. Smith, R. Sobie, R.W. Springer, D. Strom, T. Tsukamoto, A.T. Watson, N.K. Watson, P.S. Wells, S. Wotton and W. Zeuner A325 (1993) 271
An object-based conceptual model of a nuclear physics experiments database, B.K. Ehlmann, L.C. Dennis and G.A. Riccardi A325 (1993) 294
A programmable systolic trigger processor for FERA bus data, G. Appelquist, B. Hovander, B. Selldén and C. Bohm A327 (1993) 489
Development of a data acquisition system using a RISC/UNIX™ workstation, Y. Takeuchi, T. Tanimori and Y. Yasu A328 (1993) 526
A feedback microprocessor for hadron colliders, D.A. Herrup, L. Chapman, A. Franck, T. Groves and B. Lublinsky A329 (1993) 470
A CAMAC 32-channel pile-up detection and rejection module, J.C. Wikne A330 (1993) 210
A feasibility study of a data acquisition system for a silicon strip detector with a digital readout scheme, H. Ikeda, M. Ikeda, S. Inaba and M. Tanaka A330 (1993) 215
A method of fast data transfer from FASTBUS, J.R.M. Annand and B. Oussena A330 (1993) 220

Nuclear Electronics

Design and implementation of a high precision readout system for the ZEUS calorimeter, Caldwell, A., I. Gialas, S. Mishra, J. Parsons, S. Ritz, F. Sciulli, W. Sippach, W. Smith, L. Hervas, U. Kötz and R. Klanner A321 (1992) 356
Effects of γ-irradiation on the electron lifetime and positive ion mobility in tetramethylsilane and tetramethylpentane, Givernaud, A., A. Gonidec, G. Maurin, A. Placci, E. Radermacher, D. Schinzel and W.F. Schmidt A321 (1992) 551
Characterization of thin-film superconducting dot arrays for cryogenic particle detectors, R. Leoni, M.G. Castellano, G. Schirripa Spagnolo, P. Carelli and M. Cirillo A322 (1992) 258
A compact ECL system for fast data readout and event building in a multidetector environment, P. Finocchiaro and C. Cafi A322 (1992) 263
An advanced preprocessor for multiparameter experiments (*Letter to the Editor*), M. Brendle and G. Lude .. A322 (1992) 307

Proceedings of the 7th International Workshop on Room Temperature Semiconductor X- and Gamma-Ray Detectors and Associated Electronics (Ravello, Italy, September 23–28, 1991)

Section I. CdTe – material and detectors

Status of semi-insulating cadmium telluride for nuclear radiation detectors, M. Hage-Ali and P. Siffert A322 (1992) 313
Evaluation of CdTe(Cl) crystal growth with THM and application to a multichannel detector, T. Shoji, H. Onabe and Y. Hiratate A322 (1992) 324
A simulation study of a cadmium telluride spectrometer, C. Manfredotti, R. Marchisio and U. Nastasi A322 (1992) 331
Cadmium telluride detectors with thermoelectric cooling, A.Kh. Khusainov A322 (1992) 335
CdTe in photoconductive applications. Fast detector for metrology and X-ray imaging, M. Cuzin A322 (1992) 341
Heteroepitaxial CdTe layers on Si-substrates for radiation sensor arrays with integrated Si-electronics, A.N. Tiwari, H. Zogg and S. Blunier A322 (1992) 352

Electronic properties of chlorine doped cadmium telluride used as high energy photoconductive detector, L. Verger, M. Cuzin, G. Gaude, F. Glasser, F. Mathy, J. Rustique and B. Schaub A322 (1992) 357
Melt growth of CdTe crystals and investigation of their grain boundaries, T.I. Milenov and M.M. Gospodinov A322 (1992) 363
Growth of large CdTe crystals by the Bridgman method, T.I. Milenov and M.M. Gospodinov A322 (1992) 368
Defect equilibrium in semi-insulating CdTe(Cl), P. Höschl, P. Moravec, J. Franc, E. Belas and R. Grill A322 (1992) 371
Thermal annealing of gold deposited contacts on high resistivity p-type CdTe nuclear detectors, S. Mergui, M. Hage-Ali, J.M. Koebel and P. Siffert A322 (1992) 375
Effect of hydrogen on high resitivity p-type CdTe, S. Mergui, M. Hage-Ali, J.M. Koebel and P. Siffert A322 (1992) 381

Section II. HgI_2 – material and detectors

Progress in crystal growth and purification of α-HgI_2, a highly anisotropic detector crystal, M. Piechotka and E. Kaldis A322 (1992) 387
Effect of HgI_2 crystal nonuniformities on gamma-ray response, K. James, V. Gerrish, E. Cross, J. Markakis, J. Marschall and F. Milstein A322 (1992) 390
Polarization and gain in mercuric iodide gamma-ray spectrometers, V. Gerrish A322 (1992) 402
Carrier traps and transport in mercuric iodide, T.E. Schlesinger, X.J. Bao, R.B. James, A.Y. Cheng, C. Ortale and L. van den Berg A322 (1992) 414
The effect of charge trapping on the spectrometric performance of HgI_2 gamma-ray detectors, J.S. Iwanczyk, W.F. Schnepple and M.J. Masterson A322 (1992) 421
A review of recent measurements of optical and thermal properties of α-mercuric iodide, A. Burger, S.H. Morgan, E. Silberman, D. Nason and A.Y. Cheng A322 (1992) 427
Improved technique for HgI_2 crystal growth, H. Hermon, M. Roth and M. Schieber A322 (1992) 432
Photoluminescence investigations of defects introduced during processing of mercuric iodide nuclear detectors, R.B. James, X.J. Bao, T.E. Schlesinger, A.Y. Cheng, C. Ortale and L. van den Berg A322 (1992) 435
Electrical charge transport properties of HgI_2 intercalated with hydrocarbons and/or doped with excess mercury and iodine, H. Hermon, M. Roth and M. Schieber A322 (1992) 442
Preliminary tests on a HgI_2 microstrip detector with analog readout proposed as PSD in a Bragg X-ray spectrometer, D. Grassi, Z. Hu, F. Murolo, E. Perillo, E. Rosato, G. Spadaccini and M. Vigilante A322 (1992) 449
Recent developments in mercuric iodide technology at EG&G Energy Measurements, Inc., Santa Barbara Operations, L. van den Berg A322 (1992) 453

Section III. Other materials for detectors

Thin-film semiconductors: new materials for future detectors, B. Equer A322 (1992) 457
Recent progress in lead iodide X-ray spectrometer development, J.C. Lund, K.S. Shah, F. Olschner, J. Zhang, L. Moy, S. Medrick and M.R. Squillante A322 (1992) 464
X-ray imaging with photostimulable phosphors, H. von Seggern A322 (1992) 467
GaAs solid state detectors for particle physics, S.P. Beaumont, R. Bertin, C.N. Booth, C. Buttar, L. Carraresi, F. Cindolo, M. Colocci, F.H. Combley, S. D'Auria, C. del Papa, M. Dogru, M. Edwards, F. Fiori, F. Foster, A. Francescato, Y. Hou, P. Houston, B. Jones, J.G. Lynch, B. Lisowski, J. Matheson, F. Nava, M. Nuti, V. O'Shea, P.G. Pelfer, C. Raine, J. Santana, I. Saunders, P.H. Seller, I.O. Skillikorn, T. Sloan, K.M. Smith, N. Tartoni, I. ten Have, R.M. Turnbull, A. Vinattieri and A. Zichichi A322 (1992) 472
Study and realization of an amorphous silicon X-ray detector with effective energy sensitivity, C. Manfredotti, F. Faccio, F. Fizzotti and R. Marchisio A322 (1992) 483
Bulk GaAs room temperature radiation detectors, D.S. McGregor, G.F. Knoll, Y. Eisen and R. Brake A322 (1992) 487
X-ray detectors based on semi-insulating GaAs substrate, K.W. Benz, R. Irsigler, J. Ludwig, J. Rosenzweig, K. Runge, F. Schäfer, J. Schneider and M. Webel A322 (1992) 493
An improvement in growing large, oriented lead iodide single crystals for detector applications, J. Zhang, K.S. Shah, F. Olschner, J.C. Lund, L.P. Moy, K. Daley, L. Cirignano and M.R. Squillante A322 (1992) 499
Thallium bromide semiconductor X-ray and γ-ray detectors, F. Olschner, K.S. Shah, J.C. Lund, J. Zhang, K. Daley, S. Medrick and M.R. Squillante A322 (1992) 504
$HgBr_xI_{2-x}$ photodetectors for use in scintillation spectroscopy, K.S. Shah, L.P. Moy, J. Zhang, F. Olschner, J.C. Lund and M.R. Squillante A322 (1992) 509
GaAs revisited as a room temperature X-ray detector, T.J. Sumner, S.M. Grant, A. Bewick, J.P. Li, K. Smith and S.P. Beaumont A322 (1992) 514
Comparison of SB2 X-ray film and reticon array, M. Nail and D. Mazataud A322 (1992) 518

Section IV. Detector related electronics

Silicon photodiode readout of scintillators and associated electronics, M. Suffert A322 (1992) 523
High resolution gamma ray spectroscopy with CdTe detector systems, M. Richter and P. Siffert A322 (1992) 529

High resolution X-ray spectroscopy with silicon drift detectors and integrated electronics, G. Bertuccio, M. Sampietro and A. Fazzi A322 (1992) 538
Low noise, low power, miniaturized processing electronics for X-ray detectors, J.S. Iwanczyk A322 (1992) 543
The Pentafet and its applications in high resolution and high rate radiation spectrometers, T. Nashashibi A322 (1992) 551
Large volume HgI_2 counters. A novel technique for pulse discrimination , P. Olmos, G. Garcia-Belmonte and J.M. Perez A322 (1992) 557
On the equivalent circuit model of reverse biased diodes made on high resistivity substrates, S. Kavadias, K. Misiakos, D. Loukas and E. Tsoi A322 (1992) 562
Low-noise electronics for semiconductor detectors, V.V. Gostilo A322 (1992) 566

Section V. Applications

New applications of CdTe nuclear detectors, M.R. Squillante and G. Entine A322 (1992) 569
Overview of the use of CdTe detectors for the verification of nuclear material in nuclear safeguards, R. Arlt, K.-H. Czock and D.E. Rundquist A322 (1992) 575
The use of a mercuric iodide detector for X-ray fluorescence analysis in archaeometry, R. Cesareo, G.E. Gigante, J.S. Iwanczyk and A. Dabrowski A322 (1992) 583
Use of the EGS4 Monte Carlo code to evaluate the response of HgI_2 and CdTe detectors for photons in the diagnostic energy range, M. Conti, A. Del Guerra, D. Mazzei, P. Russo, W. Bencivelli, E. Bertolucci, A. Messineo, V. Rosso, A. Stefanini, U. Bottigli, P. Randaccio and W.R. Nelson A322 (1992) 591
Current state-of-the-art applications utilizing CdTe detectors, Y. Eisen A322 (1992) 596
CdTe detectors in medicine: a review of current applications and future perspectives, C. Scheiber and J. Chambron A322 (1992) 604
Application of GaAs and CdTe photoconductor detectors to X-ray flash radiography, F. Mathy, M. Cuzin, J.J. Gagelin, R. Mermet, B. Piaget, J. Rustique, L. Verger, A. Hauducoeur, P. Nicolas, L. Le Dain and M. Hyvernage A322 (1992) 615
Application of cadmium telluride detectors to high energy computed tomography, F. Glasser, G. Thomas, M. Cuzin and L. Verger A322 (1992) 619
CdTe detectors in nuclear radiation dosimetry, V. Nagarkar, M. Squillante, G. Entine, I. Stern and D. Sharif . A322 (1992) 623
A 90 element CdTe array detector, Y. Iwase, M. Funaki, A. Onozuka and M. Ohmori A322 (1992) 628
A HgI_2 X-ray instrument for the Soviet Mars '94 mission, T.E. Economou, J.S. Iwanczyk and R. Rieder A322 (1992) 633
A CdTe gamma-ray spectrometer with imaging capabilities for astrophysics: Monte Carlo simulation results, E. Caroli, G. Baldazzi, G. Di Cocco, A. Donati, W. Dusi, G. Malaguti, M. Rossi and J.B. Stephen A322 (1992) 639
An evaluation of the possible use of CdTe microdetectors for astrophysical, biomedical and industrial imaging, G. Baldazzi, D. Bollini, E. Caroli, F. Casali, P. Chirco, G. Di Cocco, A. Donati, W. Dusi, G. Landini, G. Malaguti, M. Rossi and J.B. Stephen A322 (1992) 644

On a very fast topological trigger, R. Cardarelli, V. Chiostri, L. Di Stante, E. Reali, R. Santonico, M. Travaglini and E. Tusi A324 (1993) 253
A large CAMAC histogramming memory, M. Brendle and G. Lude A324 (1993) 260
Measurements of rise times in liquid argon and xenon gridded ionization chambers, Th. Lindblad, W. Klamra, B. Lund-Jensen, G. Szekely, P. Cennini, D. Lacarrère, M. Moulson, W. Seidel and V. Vuillemin A324 (1993) 263
Timing properties of Philips XP2020UR photomultiplier, M. Moszyński A324 (1993) 269
Radiation damage test of position sensitive silicon detectors, K. Teraoka, M. Nakamura, H. Tajima, K. Niwa, H. Tanaka, K. Yamamura, K. Yamamoto and K. Kodama A324 (1993) 276
Radiation damage measurements on the SVX readout chip, N. Bacchetta, R.P. Ely, C. Haber, S.A. Kleinfelder, O. Schneider and W.C. Wester A324 (1993) 284
A fast integrated readout system for a cathode pad photon detector, M. French, M. Lovell, E. Chesi, A. Racz, J. Séguinot, T. Ypsilantis, R. Arnold, J.L. Guyonnet, J. Egger and K. Gabathuler A324 (1993) 511
The E791 parallel architecture data acquisition system, S. Amato, J.R.T. de Mello Neto, J. de Miranda, C. James, D.J. Summers and S.B. Bracker A324 (1993) 535
A high performance single chip processing unit for parallel processing and data acquisition systems, G. Bastianello, R. Borgognoni, C. Battista, S. Cabasino, N. Cabibbo, A. Fucci, A. Lai, F. Marzano, P.S. Paolucci, J. Pech, R. Sarno, G.M. Todesco, M. Torelli, R. Tripiccione, W. Tross and P. Vicini A324 (1993) 543
The bridge method for measuring the wire tension of multiwire chambers, N.J. Shenhav A324 (1993) 551
Semi-microscopic formula for gas gain of proportional counters, Y. Uozumi, T. Sakae, M. Matoba, H. Ijiri and N. Koori A324 (1993) 558
Quantum efficiencies of several VUV-sensitive photomultiplier tubes (*Letter to the Editor*), P. Dorenbos, J.T.M. de Haas, R. Visser, C.W.E. van Eijk and R.W. Hollander A325 (1993) 367
A modular electronic readout system for the OPAL electromagnetic presampler, J.D. Hobbs, K.J. Anderson,

S.W. Gensler, J. Kroll, F.S. Merritt, H.H. Nguyen, M.J. Oreglia, J.E. Pilcher, J.M. Roney, M.W. Redmond, H. Sanders, W.S. Schappert and D. Strom A325 (1993) 494
A multi-hit ADC and TDC for the charged particle trigger of the L3 experiment, M. Bourquin, J.H. Field, G. Forconi, H. Hoorani, A. Léger, J. Perrier, N. Produit and J.-P. Richeux A325 (1993) 509
Electronics for the Huygens Vat 4π detection system, G.J. van Nieuwenhuizen, A.P. de Haas, T.M.V. Bootsma, J.J. Langerak, R. Kamermans, P.G. Kuijer, C.J. Oskamp, C.J.W. Twenhöfel and J.M. Voerman A325 (1993) 516
PC display system for real-time data graphical representation of spectroscopy measurement results, J. Baczyński A325 (1993) 523
Comparative tests of russian microchannel plates (*Letter to the Editor*), J.F. Pearson, J.E. Lees, G.W. Fraser, K. Gringauz, N. Schutte and Y. Roze A325 (1993) 578
Performance of gas microstrip chambers on glass with ionic and electronic conductivity, G.D. Minakov, Yu.N. Pestov, V.S. Prokopenko and L.I. Shekhtman A326 (1993) 566
A method to quench and recharge avalanche photo diodes for use in high rate situations, T.O. Regan, H.C. Fenker, J. Thomas and J. Oliver A326 (1993) 570
Studies of a new 16 channel photomultiplier tube for scintillating and waveshifting fiber readout, A. Weisenberger, A. Day, B. Kross, S. Majewski, R. Wojcik and C. Zorn A327 (1993) 500
A fast constant-fraction discriminator for e/π separation with a lead/scintillating-fiber calorimeter, S. Buontempo, A. Ereditato, L. Parascandolo, F. Riccardi and P. Salmas A327 (1993) 509
Field oxide radiation damage measurements in silicon strip detectors, M. Laakso, P. Singh and P.F. Shepard . A327 (1993) 517
The low-frequency noise behaviour at room temperature and at 77 K of pMOSTs fabricated on high-resistivity silicon substrates, E. Simoen and C. Claeys A327 (1993) 523
Doubly synchronized trigger system of the KEK positron generator for the TRISTAN injection, T. Urano, Y. Hosono and K.-i. Hasegawa A327 (1993) 529
A remotely controlled four-channel spectroscopy amplifier, R. Bassini, C. Boiano, S. Brambilla, M. Malatesta, I. Iori and A. Moroni A327 (1993) 535
A low cost high-voltage controller for photomultiplier tubes *(Letter to the Editor)*, W. Stamm, K. Sauerland and N. Müller A328 (1993) 601
X-ray detection with $Nb/AlO_x/Nb$ superconducting tunnel junctions and energy diffusion effect on energy resolution, A. Matsumura, T. Takahashi and M. Kurakado A329 (1993) 227
Transmission line connections between detector and front end electronics in liquid argon calorimetry, R.L. Chase, C. de La Taille, S. Rescia and N. Seguin A330 (1993) 228
Electronic noise calculations for a fast current amplifier with a waveguide line at its input (*Letter to the Editor*), D.M. Khazins A330 (1993) 316
Cable coupling of detector and preamplifier as an alternative design of radiation hard electronics, M. Akopyan, M. Chen, N. Fedyakin, R. Krasnokutsky, R. Shuvalov, V. Sushkov and X. Zhang A330 (1993) 465
A fast pipelined VLSI adder for fast trigger decisions at the superconducting super collider, D. Panescu, T. Gorski, Y.H. Hu, J. Lackey, P. Robl and W.H. Smith A330 (1993) 475

Numerical and Data Analysis

Solutions of Laplace's equation in two dimensions with a curved longitudinal axis, Mane, S.R. A321 (1992) 365
Examination of potential improvements to high energy transport codes, Parker, W.E. and A. Gavron A321 (1992) 376
The sources of distortions and errors in the analysis of positron lifetime spectra, Goworek, T., W. Górniak and J. Wawryszczuk A321 (1992) 560
Use of parallel counters for triggering, Nikityuk, N.M. A321 (1992) 571
Probabilistic neural nets in analysis of magnetic spectrometer data, Ward, H., C.F. Moore, P.S. Maloney and J.D. Martin A321 (1992) 583
A fast algorithm for Monte Carlo simulations of multiple Coulomb scattering, S.E. Kuhn and G.E. Dodge ... A322 (1992) 88
Approximation of the incomplete gamma function; χ^2-tests, D.H. Wilkinson A322 (1992) 93
Sampling and optimum data processing of detector signals, G. Bertuccio, E. Gatti, M. Sampietro, P. Rehak and S. Rescia A322 (1992) 271
Correcting factors method as an unfolding technique, V.B. Anykeyev, A.A. Spiridonov and V.P. Zhigunov ... A322 (1992) 280
Dead-time correction for asynchronous and synchronous readout systems with buffer memories, F. Makino .. A323 (1992) 645
Identification of tau decays using a neural network, V. Innocente, Y.F. Wang and Z.P. Zhang A323 (1992) 647
Deconvolution of mass spectra, A.A. Marchetti and A.C. Mignerey A324 (1993) 288
Trajectory fit in presence of dense materials, V. Innocente and E. Nagy A324 (1993) 297
Multivariate analysis methods to tag b-quark events at LEP/SLC, B. Brandl, A. Falvard, C. Guicheney, P. Henrard, J. Jousset and J. Proriol A324 (1993) 307
Estimation of error components in a multi-error linear regression model, with an application to track fitting, R. Frühwirth A324 (1993) 317

Real time track identification with artificial neural networks, G. Athanasiu, P. Pavlopoulos and S. Vlachos .. A324 (1993) 320
A method of reducing systematic errors in classification problems, L. Lyons A324 (1993) 565
Management of different data types encountered in the analysis of nuclear physics experiments in the DALI development package, D. Heuer A324 (1993) 569
Dead-time effects in time-of-flight measurements, G.J. Cuello, P.J. Prado and J. Dawidowski A325 (1993) 309
The unfolding of neutron spectra based on the singular value decomposition of the response matrix, J. Půlpán and M. Králík A325 (1993) 314
A sensitive continuum analysis method for gamma ray spectra, A.N. Thakur and J.R. Arnold A325 (1993) 529
Fits of Monte Carlo distributions to data, P. Eberhard, G. Lynch and D. Lambert A326 (1993) 574
A simple algorithm for large, nonlinear or singular least squares problems, J. Myrheim, H. Rue and L. Bugge A327 (1993) 539
Statistical modelling of coincidence counting, M.-S. Lu and T. Teichmann A327 (1993) 544
The role of reversed kinematics and double kinematic solutions in nuclear reactions studies, M. Kaplan, W.E. Parker, D.J. Moses, R. Lacey and J.M. Alexander A327 (1993) 551
Comparisons of thick-target bremsstrahlung calculations by EGS4/PRESTA and ITS version 2.1, B.A. Faddegon and D.W.O. Rogers A327 (1993) 556
An analog neural network hardware solution to a Cherenkov ring imaging particle identifier, T. Akkila, T. Francke, T. Lindblad and Å. Eide A327 (1993) 566
A hardware implementation of an analog neural network for Gaussian peak-fitting, T. Akkila, T. Lindblad, B. Lund-Jensen, G. Szekely and Å. Eide A327 (1993) 573
Analysis of multiphase flows using dual-energy gamma densitometry and neural networks, C.M. Bishop and G.D. James A327 (1993) 580
Isoparametric finite element analysis of time-harmonic electromagnetic fields in three dimensions, S. Silaev .. A328 (1993) 535
A computer program for the identification of nuclides by using median estimates of peak areas in gamma-ray spectra, V.S. Kondrashov, Z.D. Moroz, A.A. Kolyshkin and R. Vaillancourt A328 (1993) 542
A general method of estimating physical parameters from a distribution with acceptance and smearing effects, D.M. Schmidt, R.J. Morrison and M.S. Witherell A328 (1993) 547
MagMo: data analysis of TMF measurements of *g*-factors, R.V. Ribas A328 (1993) 553
Filtering and unfolding using neural networks *(Letter to the Editor)*, T. Lindblad and G. Székely A328 (1993) 603
Some formulas for estimating tracking errors, W.R. Innes A329 (1993) 238
Kinematic fitting of neutral current events at HERA, H. Chaves, R.J. Seifert and G. Zech A329 (1993) 243
The differential decay curve method for the analysis of Doppler shift timing experiments, G. Böhm, A. Dewald, P. Petkov and P. von Brentano A329 (1993) 248
Filtering tracks in discrete detectors using a cellular automaton, A. Glazov, I. Kisel, E. Konotopskaya and G. Ososkov A329 (1993) 262
Neural network unfolding of photon and neutron spectra using an NE-213 scintillation detector, R. Kooh Fayeghi, S. Green, N.M.J. Crout, G.C. Taylor and M.C. Scott A329 (1993) 269
Track fitting in non-Gaussian coordinate errors, T.-Y. Chen and N.-G. Yao A329 (1993) 479
Monte Carlo simulation of several gamma-emitting source and detector arrangements for determining corrections of self-attenuation and coincidence summation in gamma-spectrometry, G. Haase, D. Tait and A. Wiechen A329 (1993) 483
Covariance matrices for track fitting with the Kalman filter, E.J. Wolin and L.L. Ho A329 (1993) 493
B-quark tagging using neural networks and multivariate statistical methods. A comparison of both techniques, K.H. Becks, F. Block, J. Drees, P. Langefeld and F. Seidel A329 (1993) 501
Compton continuum suppression by digital pulse shape analysis, B. Aspacher, R.L. Coldwell and A.C. Rester A330 (1993) 243
A fast reconstruction method for shower direction at large extended air shower arrays, H.J. Mayer A330 (1993) 254
Design and optimization of time-of-flight spectrometers. Part II, M. Meron A330 (1993) 259
The use of neural networks in γ–π^0 discrimination, W.S. Babbage and L.F. Thompson A330 (1993) 482

Fusion

Small angle neutron scattering study of microstructural inhomogeneities in steel for fusion technology, Albertini, G., F. Carsughi, R. Coppola, F. Rustichelli, D. Schwahn and G. Mercurio A321 (1992) 381
Incineration of ^{90}Sr and ^{137}Cs by an inertial fusion target, H. Harada, H. Takahashi, K. Konashi and N. Sasao A322 (1992) 286
Monte Carlo calculations of efficiency, resolution, and response functions for the new neutron time-of-flight spectrometer at JET, M. Hoek A323 (1992) 656
Injector requirements and radial magnet condition for a steady state MIGMA, A. Jain A323 (1992) 671
Estimates of plasma equilibria from external magnetic measurements, H.G. Eriksson, J. Brynolf and H. Persson A325 (1993) 537
The JET neutron emission profile monitor, J.M. Adams, O.N. Jarvis, G.J. Sadler, D.B. Syme and N. Watkins A329 (1993) 277
Volume ignition of DT microspheres, R. Khoda-Bakhsh A330 (1993) 268

Dosimetry, Space Radiation and Medical Applications

A method to investigate the working characteristics of new microdosimetric detectors which use low gas pressures, Colautti, P., V. Conte, G. Talpo, G. Tornielli and M. Bouchefer A321 (1992) 392
Design and study of the characteristics of a three electrode experimental ionization chamber for gamma ray dosimetry of spent fuel, Ahmad, N., N.M. Mirza, S.M. Mirza, T. Rashid, M. Tufail and L.A. Khan A321 (1992) 403
Filtering microphonics in dark matter germanium experiments, Morales, J., E. Garcia, A. Ortiz de Solorzano, A. Morales, R. Nuñez-Lagos, J. Puimedon, C. Saenz and J.A. Villar A321 (1992) 410
Calculations of the photon dose behind concrete shielding of high energy proton accelerators, Dworak, D., K. Tesch and J.M. Zazula A321 (1992) 589
The background in a high earth orbit as measured by the soft γ-ray telescope SIGMA, Lei, F., J.P. Leray, P. Mandrou, J. Paul, J.P. Roques and F. Lebrun A321 (1992) 598
The QTP system for the MACRO experiment at Gran Sasso, Ambrosio, M., G.C. Barbarino, A. Boiano, A. Candela, F. Guarino, G. Osteria, L. Parascandolo and P. Parascandolo A321 (1992) 609
On self-supporting coded aperture arrays, K. Byard A322 (1992) 97
GRACE: a prototype for the Gran Sasso Air Cherenkov Experiment, D.S. Levin, B.C. Barish, E. Diehl, A. Habig, J. Handel, M. Kertzman, S. Mufson, J. Musser, S. Nutter, G. Sembroski and G. Tarlé A322 (1992) 101
Characterization of a SIT vidicon X-ray detector for crystallography, Y. Li, W.C. Phillips, M. Stanton and K. Kalata A322 (1992) 116
Responses of TLD-700 dosimeters shielded by various neutron absorbers in a mixed neutron/photon field (*Letter to the Editor*), B.J. McParland and M. Munshi A322 (1992) 308
Development of a high altitude air shower array for gamma-ray astronomy, G.H. Gillanders, D.J. Fegan, P.K. MacKeown, T.C. Weekes and T. Whitaker A323 (1992) 677
Rejection power of a horizontal RPC telescope for left and right coming cosmic muons, MINI Collaboration, F. D'Aquino, G. Iaselli, S. Nuzzo, A. Ranieri, F. Romano, P. Pistilli, M. Ambrosio, G.C. Barbarino, B. Bartoli, D. Campana, M. Iacovacci, F. Guarino, G. Osteria, V. Silvestrini, S. Del Sordo, L. Scarsi, G. Bressi, A. Lanza, M. Bonori, A. Nigro, R. Cardarelli, R. Santonico, M. Guida and G. Marini A324 (1993) 330
First supermodule of the MACRO detector at Gran Sasso, MACRO Collaboration, S. Ahlen, M. Ambrosio, R. Antolini, G. Auriemma, A. Baldini, G.C. Barbarino, B. Barish, G. Battistoni, R. Bellotti, C. Bemporad, P. Bernardini, H. Bilokon, V. Bisi, C. Bloise, A. Boiano, C. Bower, S. Bussino, F. Cafagna, M. Calicchio, P. Campana, D. Campana, A. Candela, M. Carboni, S. Cecchini, F. Cei, V. Chiarella, C. Chiera, A. Cobis, R. Cormack, A. Corona, D. Cosson, S. Coutu, I. D'Antone, G. De Cataldo, C. De Marzo, U. Denni, N. De Seriis, M. DeVincenzi, A. Di Credico, E. Diehl, R. Diotallevi, O. Erriquez, C. Favuzzi, D. Ficenec, C. Forti, L. Foti, A. Frani, P. Fusco, F. Gherarducci, G. Giacomelli, G. Giannini, N. Giglietto, P. Giubellino, M. Grassi, P. Green, A. Grillo, F. Guarino, C. Gustavino, A. Habig, J. Hanson, E. Hazen, R. Heinz, J.T. Hong, E. Iarocci, E. Katsavounidis, E. Kearns, S. Klein, S. Kyriazopoulou, E. Lamanna, C. Lane, C. Lee, D. Levin, P. Lipari, G. Liu, R. Liu, M.J. Longo, G. Ludlam, G. Mancarella, G. Mandrioli, A. Marin, A. Marini, D. Martello, G. Martellotti, A. Marzari Chiesa, M. Masera, P. Matteuzzi, A. Mengucci, S. Merritt, D.G. Michael, L. Miller, P. Monacelli, M. Mongelli, M. Monteno, S. Mufson, J. Musser, S. Nutter, C. Okada, G. Osteria, O. Palamara, P. Parascandalo, S. Parlati, V. Patera, L. Patrizii, R. Pazzi, C.W. Peck, G. Pellizzoni, M. Perchiazzi, J. Petrakis, S. Petrera, N.D. Pignatano, C. Pinto, P. Pistilli, F. Predieri, L. Ramello, J. Reynoldson, F. Ronga, G. Rosa, A. Sacchetti, G. Sanzani, C. Satriano, L. Satta, E. Scapparone, K. Scholberg, A. Sciubba, P. Serra Lugaresi, M. Severi, M. Sitta, P. Spinelli, M. Spinetti, M. Spurio, J. Steele, R. Steinberg, J.L. Stone, L.R. Sulak, A. Surdo, G. Tarlé, A. Tazzioli, V. Togo, V. Valente, G.R. Verdone, C.W. Walter, R. Webb, F. Welte and W. Worstell A324 (1993) 337
IMB-3: a large water Cherenkov detector for nucleon decay and neutrino interactions, R. Becker-Szendy, R.M. Bionta, C.B. Bratton, D. Casper, R. Claus, B. Cortez, S.T. Dye, S. Errede, G.W. Foster, W. Gajewski, K. Ganezer, M. Goldhaber, T.J. Haines, P.G. Halverson, E. Hazen, T.W. Jones, D. Kielczewska, W.R. Kropp, J.G. Learned, J.M. LoSecco, S. Matsuno, J. Matthews, G. McGrath, C. McGrew, R. Miller, M.S. Mudan, H.S. Park, L. Price, F. Reines, J. Schultz, S. Seidel, D. Sinclair, H.W. Sobel, J.L. Stone, L.R. Sulak, R. Svoboda, G. Thornton, J.C. Van der Velde and C. Wuest A324 (1993) 363
Element specific imaging in computerised tomography using a tube source of X-rays and low energy-resolution detector system, C. Markham and J. Fryar A324 (1993) 383
An advanced method for enhancement of dosimetric sensitivity, N. Horiuchi, T. Sato, Y. Murata and T. Yamano A324 (1993) 574
Performances of the photomultiplier Hamamatsu R4558 for underground physics applications, G. Ranucci, R. Cavaletti, P. Inzani and I. Manno A324 (1993) 580
Pulse shape analyzer for the multiple phoswich detector on the LAPEX experiment, F. Frontera, D. Dal Fiume, J.M. Poulsen, G.F. Taiocchi, A. Basili and S. Silvestri A324 (1993) 589

Optical photon counting using superconducting tunnel junctions, M.A.C. Perryman, C.L. Foden and A. Peacock A325 (1993) 319
The use of multiwire proportional counters in a cosmic ray air shower experiment, L. Horton, J. Ulrichs and M. Winn A325 (1993) 326
Improvement of mass resolution of cosmic ray nuclei using a $\Delta E \times E$ Si detector telescope, N. Hasebe, H. Moriya, T. Doke, J. Kikuchi, T. Kashiwagi, S. Kataoka, T. Shino, K. Itsumi, T. Hayashi, T. Yanagimachi, A. Nakamoto, H. Murakami, K. Nagata, H.J. Crawford, J.M. Engelarge, I. Flores and L. Greiner A325 (1993) 335
A study of transmission of multilayer thin-film X-ray guides Yu.I. Dudchik, F.F. Komarov, D.G. Lobotsky, V.S. Soloviev and V.S. Tishkov A325 (1993) 343
Nondestructive method for identification of ^{205}Pb at very low concentrations, A. Ljubičić, D. Kekez, I. Žlimen and B.A. Logan A325 (1993) 545
The detection of bursts in UHE and VHE gamma ray data, J.T.P.M. van Stekelenborg and J.P. Petrakis A328 (1993) 559
Point source search techniques in ultra high energy gamma ray astronomy, D.E. Alexandreas, D. Berley, S. Biller, G.M. Dion, J.A. Goodman, T.J. Haines, C.M. Hoffman, E. Horch, X.-Q. Lu, C. Sinnis, G.B. Yodh and W. Zhang A328 (1993) 570
^{222}Rn emanation into vacuum, M. Liu, H.W. Lee and A.B. McDonald A329 (1993) 291
Improvement of 20 in. diameter photomultiplier tubes, A. Suzuki, M. Mori, K. Kaneyuki, T. Tanimori, J. Takeuchi, H. Kyushima and Y. Ohashi A329 (1993) 299
The Monte Carlo code for the Borexino detector at LNGS, S. Bonetti, M. Campanella, I. Manno, E. Meroni, A. Preda, G. Ranucci and P. Ullucci A329 (1993) 314
Measured single event upset rates in low earth orbit for the ROSAT Wide Field Camera, M.R. Sims, A.J. Sims, R.D. Bentley, P.R. Guttridge and J.A. Gourlay A329 (1993) 329
On the cosmic-ray rejection near a radioactive beam, P. Leleux, I. Licot, P. Lipnik and C. Nuyens A329 (1993) 518
The LVD tracking system chambers, G. Anzivino, P. Benvenuto, S. Bianco, R. Casaccia, B. Dulach, D. Fabbri, F.L. Fabbri, M. Gatta, M. Giardoni, I. Laakso, M. Lindozzi, L. Passamonti, V. Russo, S. Sarwar, G. Sensolini, M. Ventura, L. Votano, A. Zallo, D. Mencarini, E. Pallante, Z. Aftab, M.M. Ali, K. Chen, R. Chen, S. Cong, X. Cui, H. Ding, B. Gao, Y. Li, L. Lu, B.K. Minhas, Z. Shi, A.R. Shah, Y. Sun and X. Zhou A329 (1993) 521
The miniaturized proportional counter HD-2(Fe)/(Si) for the GALLEX solar neutrino experiment, R. Wink, P. Anselmann, D. Dörflinger, W. Hampel, G. Heusser, T. Kirsten, P. Mögel, E. Pernicka, R. Plaga and C. Schlosser A329 (1993) 541
Performances of the photomultiplier Philips XP 1802 for underground physics applications, G. Ranucci, S. Bonetti, R. Cavaletti, I. Manno and P. Ullucci A330 (1993) 276
Superheated superconducting granule detector tested with nuclear recoil measurements, C. Berger, G. Czapek, U. Diggelmann, I. Flammer, D. Frei, M. Furlan, A. Gabutti, S. Janos, U. Moser, K. Pretzl, K. Schmiemann, D. Perret-Gallix, B. van den Brandt, J.A. Konter and S. Mango A330 (1993) 285
A new device for determination of arrival direction of large EAS, D. Nath, M.J. Deb, B. Das, G.K.D. Mazumdar and K.M. Pathak A330 (1993) 293
Magnetic scanning system for heavy ion therapy, Th. Haberer, W. Becher, D. Schardt and G. Kraft A330 (1993) 296

Synchrotron Radiation Research

The characterisation of gold X-ray photocathodes, Fraser, G.W., M.T. Pain, J.E. Lees, C.R. Binns, J.F. Pearson and P.R. Houghton A321 (1992) 385
Adaptive crystal optics for undulator beamlines, Berman, L.E., M. Hart and S. Sharma A321 (1992) 617
Off-axis field effects on the output spectra of vertically asymmetric adjustable-phase insertion devices, R. Tatchyn A322 (1992) 126
Mode theory of FEL oscillator with the open plane Fabry–Perot resonator, helical undulator and axisymmetric electron beam, E.L. Saldin, E.A. Schneidmiller and M.V. Yurkov A322 (1992) 293
Crystal spectroscopy of X-ray synchrotron source brightness, J. Als-Nielsen and K. Kjaer A323 (1992) 686
X-ray focusing using square-pore microchannel plates. First observation of cruxiform image structure *(Letter to the Editor)*, G.W. Fraser, A.N. Brunton, J.E. Lees, J.F. Pearson and W.B. Feller A324 (1993) 404
Pile-up phenomena in solid-state detection. Effects due to synchrotron sources, C.S.G. Cousins, L. Gerward, D. Laundy, R.E. Meads, J. Staun Olsen and B.J. Sheldon A324 (1993) 598
Area detector design. Part I. Formulation of design criteria and application to X-ray crystallography, M. Stanton A325 (1993) 550
Area detector design. Part II, application to a modular CCD-based detector for X-ray crystallography, M. Stanton, W.C. Phillips, D. O'Mara, I. Naday and E. Westbrook A325 (1993) 558
Infrared synchrotron radiation from an undulator, P. Roy, Y.-L. Mathis, A. Gerschel, J.-P. Marx, J. Michaut, B. Lagarde and P. Calvani A325 (1993) 568

Conversion efficiency and time response of phosphors for fast X-ray imaging with synchrotron radiation, J.P. Moy, A. Koch and M.B. Nielsen A326 (1993) 581
Simultaneous time resolved SAXS and WAXS experiments using synchrotron radiation, W. Bras, G.E. Derbyshire, A.J. Ryan, G.R. Mant, A. Felton, R.A. Lewis, C.J. Hall and G.N. Greaves A326 (1993) 587
A multifunctional vacuum chamber for total reflection X-ray fluorescence analysis in various excitation and detection geometries for detection limits in the femtogram range, R. Rieder, W. Ladisich, P. Wobrauschek, C. Streli and P. Kregsamer A327 (1993) 594
Spatial resolution in X-ray imaging with scintillating glass optical fiber plates, P. Pavan, G. Zanella, R. Zannoni and A. Marigo A327 (1993) 600
Properties of an inclined double crystal monochromator for synchrotron radiation, J. Hrdý and O. Pacherová . A327 (1993) 605
Fresnel and refractive lenses for X-rays, B.X. Yang A328 (1993) 578
On the sagittal focusing of synchrotron radiation with a double crystal monochromator, V.I. Kushnir, J.P. Quintana and P. Georgopoulos A328 (1993) 588
Properties of CsI-based gaseous secondary emission X-ray imaging detectors, I. Frumkin, A. Breskin, R. Chechik, V. Elkind and A. Notea A329 (1993) 337
An rf-linac. FEL buncher, W.A. Barletta, G. Bellomo, R. Bonifacio, R. Corsini, L. De Salvo, P. Pierini and M. Pullia A329 (1993) 348
Efficiency of an electrostatic barrier in an electron beam energy recuperator, A.N. Sharapa A329 (1993) 551
Diamond crystal X-ray optics for high-power-density synchrotron radiation beams, L.E. Berman, J.B. Hastings, D.P. Siddons, M. Koike, V. Stojanoff and M. Hart A329 (1993) 555
The simulation of the micropulse evolution for an RF-FEL, Yu Song A330 (1993) 487
Backbombardment, phase length and transport process for BFEL, Yu Song A330 (1993) 495
Total reflection X-ray fluorescence analysis with monoenergetic excitation and full spectrum excitation using rotating anode X-ray tubes, W. Ladisich, R. Rieder, P. Wobrauschek and H. Aiginger A330 (1993) 501

Special Applications

Measurements of Th, U and K concentrations in a variety of materials, P. Jagam and J.J. Simpson A324 (1993) 389
Mechanisms of attenuation of acoustic waves in antarctic ice, P.B. Price A325 (1993) 346
Thoron (^{220}Rn) progeny reduction by an air cleaner of the polarized media filter type, J. Bigu A325 (1993) 357
Positron emission particle tracking – a technique for studying flow within engineering equipment, D.J. Parker, C.J. Broadbent, P. Fowles, M.R. Hawkesworth and P. McNeil A326 (1993) 592
Optimization of the counting time for the determination of ^{222}Rn daughters, D.S. Pressyanov, I.P. Uzunov and P.P. Kritidis A326 (1993) 613
Development of a scanning reflection electron microscope for in situ observation of crystal growth, K. Fuwa, K. Yamamuro, H. Yanagida and S. Shimizu A328 (1993) 592
A simple and effective purifier for liquid xenon, P. Benetti, A. Bettini, E. Calligarich, F. Casagrande, P. Casoli, C. Castagnoli, P. Cennini, S. Centro, S. Cittolin, D. Cline, C. De Vecchi, R. Dolfini, L. Fortson, A. Gigli Berzolari, G. Mannocchi, F. Mauri, L. Mazzone, C. Montanari, S. Otwinowski, A. Pepato, L. Periale, A. Piazzoli, P. Picchi, F. Pietropaolo, A. Rappoldi, G.L. Raselli, P. Rossi, C. Rubbia, D. Scannicchio, S. Suzuki, S. Ventura, H. Wang and M. Zhou A329 (1993) 361

Letters to the Editor

Detection of X-ray polarization with a charge coupled device, Tsunemi, H., K. Hayashida, K. Tamura, S. Nomoto, M. Wada, A. Hirano and E. Miyata A321 (1992) 629
The fluorescent decay of CsI(Tl) scintillator for charged particles of different ionization density, T. Masuda, M. Tomizawa, Y. Nagashima, N. Nakamoto and Y. Tagishi A322 (1992) 135
A cerium fluoride scintillator coupled to a FEU-140 photomultiplier, P. Kozma, S. Afanasiev, A. Malakhov and A. Povtoreiko A322 (1992) 302
Analyzing power standard by use of the reaction ^{7}Li(p, α)^{4}He over an incident energy range from 9 to 22 MeV, Y. Tagishi, A. Tomizawa, M. Tomizawa and K. Yagi A322 (1992) 304
An advanced preprocessor for multiparameter experiments, M. Brendle and G. Lude A322 (1992) 307
Responses of TLD-700 dosimeters shielded by various neutron absorbers in a mixed neutron/photon field, B.J. McParland and M. Munshi A322 (1992) 308
Heavy ions detection by using BaF_2 crystals coupled to thin plastic scintillator, G. Lanzanó, A. Pagano, E.D. Filippo, E. Pollacco, R. Barth, B. Berthier, E. Berthoumieux, Y. Cassagnou, Sl. Cavallaro, J.L. Charvet, A. Cunsolo, R. Dayras, A. Foti, S. Harar, R. Legrain, V. Lips, C. Mazur, E. Norbeck, S. Urso and C. Volant . A323 (1992) 694

Portable neutron-capture γ-ray source above 3.5 MeV with ^{252}Cf, T. Ikuta, A. Osa, A. Taniguchi, H. Yamamoto and K. Kawade A323 (1992) 697
Microstrip detectors in intermediate energy heavy ion physics, T.M.V. Bootsma, W. Verkerke, A. van den Brink, N.J.A.M. van Eijndhoven, A.P. de Haas, W.F. van Heeringen, R. Kamermans, C.T.A.M. de Laat, P.G. Kuijer, G.J. van Nieuwenhuizen, R.J.M. Snellings and C.J.W. Twenhöfel A324 (1993) 399
Fe–Al neutron polarizing supermirror on a Si crystal substrate with antireflecting Cd layer, V.G. Syromyatnikov, A.F. Schebetov and Z.N. Soroko A324 (1993) 401
X-ray focusing using square-pore microchannel plates. First observation of cruxiform image structure, G.W. Fraser, A.N. Brunton, J.E. Lees, J.F. Pearson and W.B. Feller A324 (1993) 404
Radiation damage of a barium fluoride scintillator induced with 1 GeV proton irradiation, D.M. Seliverstov, A.I. Shchetkovsky and V.V. Yanovsky A324 (1993) 609
The energy linearity of gaseous xenon radiation detectors for X-rays with energies between 2 and 60 keV: Experimental results, J.M.F. dos Santos, C.A.N. Conde and A.C.S.S.M. Bento A324 (1993) 611
Quenching of scintillation in BaF_2 for light charged particles, T. Matulewicz A325 (1993) 365
Quantum efficiencies of several VUV-sensitive photomultiplier tubes, P. Dorenbos, J.T.M. de Haas, R. Visser, C.W.E. van Eijk and R.W. Hollander A325 (1993) 367
Light yield measurements of a NE213 detector for 2.8–14.8 MeV neutrons, A.A. Naqvi, F.Z. Khiari, A. Aksoy, A. Coban and M.A. Al-Jalal A325 (1993) 574
Comparative tests of russian microchannel plates, J.F. Pearson, J.E. Lees, G.W. Fraser, K. Gringauz, N. Schutte and Y. Roze A325 (1993) 578
Microstructure in the electron beam and the shape of tagging TDC spectra, L. Van Hoorebeke, D. Ryckbosch, C. Van den Abeele, R. Van de Vyver and J. Dias A326 (1993) 608
CsI photocathode QE and a simple production technique, D.F. Anderson, S. Kwan and V. Peskov A326 (1993) 611
Optimization of the counting time for the determination of ^{222}Rn daughters, D.S. Pressyanov, I.P. Uzunov and P.P. Kritidis A326 (1993) 613
Cryogenic thermal detector with LiF absorber for direct dark matter search experiment, M. Minowa, M. Sakamoto, Y. Ito, T. Watanabe, W. Ootani and Y. Ootuka A327 (1993) 612
Wakefield accelerator using twin linacs, H. Nakanishi, A. Enomoto, A. Ogata, K. Nakajima, D. Whittum, Y. Yoshida, T. Ueda, T. Kobayashi, H. Shibata, S. Tagawa, N. Yugami and Y. Nishida A328 (1993) 596
Radiation resistivity of large CeF_3 crystals, P. Kozma, S. Afanasiev, A. Malakhov and A. Povtoreiko A328 (1993) 599
A low cost high-voltage controller for photomultiplier tubes, W. Stamm, K. Sauerland and N. Müller A328 (1993) 601
Filtering and unfolding using neural networks, T. Lindblad and G. Székely A328 (1993) 603
Behavior of the SQS mode observed as a function of the radial distance of the position of primary ionization, S. Ito, M. Tosaki, N. Maeda, R. Katano and Y. Isozumi A329 (1993) 564
Analytical formulae for the coupling coefficient β between a waveguide and a travelling wave structure, J. Gao A330 (1993) 306
Deriving profiles of incident and scattered neutrons for TOF experiments with the spallation sources, H. Watanabe A330 (1993) 310
Electronic noise calculations for a fast current amplifier with a waveguide line at its input, D.M. Khazins A330 (1993) 316

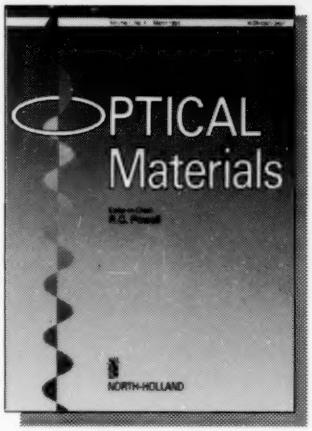
Errata

E.B. Blum, U. Happek and A.J. Sievers, Observation of coherent synchrotron radiation at the Cornell linac, Nucl. Instr. and Meth. A307 (1991) 568–576 ..... A321 (1992) 415
P. Hill, Conceptual design of a beta sensitive photoelectron spectrometer, Nucl. Instr. and Meth. A317 (1992) 185–193 ..... A324 (1993) 614
Double atomic-field bremsstrahlung from thick targets, Nucl. Instr. and Meth. A280 (1989) 202–206, C.A. Quarles A326 (1993) 615

Book reviews

Photoemission and absorption spectroscopy of solids and interfaces with synchrotron radiation, edited by M. Campagna (Reviewer: K. Siegbahn) A321 (1992) 632
New books from the International Atomic Energy Agency (Vienna) A322 (1992) 137
Fundamental properties of the neutron, by Yu.A. Alexandrov (Reviewer: N.G. Sjöstrand), ... A325 (1993) 370
New books from the International Atomic Energy Agency (Vienna) A325 (1993) 584

A New Journal on the Design, Synthesis, Characterisation and Applications of Optical Materials and Devices...



Editor-in-chief:
R.C. Powell,
Center for Laser Research,
Noble Research Center 413,
Oklahoma State University,
Stillwater, OK 74078, USA
Tel: 405-744.6575
Fax: 405-744.6406

1993 Subscription Information:
Volume 2 (in 4 issues)
Subscription price:
US $212.50/Dfl. 353.00
(including postage and handling)
ISSN 0925-3467

NORTH-HOLLAND
(ELSEVIER SCIENCE PUBLISHERS)
P.O. Box 211, 1000 AE Amsterdam,
The Netherlands

In the U.S.A. / Canada:
ELSEVIER SCIENCE PUBLISHERS
P.O. Box 882, Madison Square Station,
New York, NY 10159, U.S.A.

OPTICAL Materials

A selection of published and forthcoming articles:

- *A. Moslem et al.* - Transmission properties of optical fibers at two laser wavelengths: 660nm and 2100nm
- *J. Bolger et al.* - Refractive optical nonlinearities in a thin film ZnSe interference filter
- *R. Heitz et al.* - Picosecond relaxation of Ni-centers in II-VI semiconductors
- *C.L. Callender et al.* - Third-harmonic generation measurements on thin films of novel substituted polythiophenes
- *W.S. Brocklesby et al.* - Optically written waveguides in ion implanted $Bi_4Ge_3O_{12}$
- *K.A. Snail* - Growth, processing and properties of CVD diamond for optical applications

ORDER FORM OPTICAL Materials

☐ Yes, please send me a specimen copy.
☐ Yes, enter my 1993 subscription, volume 2 in 4 issues, at US $212.50/Dfl.353.00 (incl. postage & handling)
☐ Payment enclosed:
(Bank Draft/Eurocheque/International Money Order/Official Purchase Order Form/Personal Cheque/Postal Cheque)
☐ Please send invoice
☐ Charge my credit card:
☐ MasterCard ☐ Eurocard ☐ American Express ☐ VISA ☐ Acce

Card No. Valid until:

Name

Address

Date Signature

415/j/546

ENRICO FERMI
INTERNATIONAL SCHOOL OF PHYSICS

The Enrico Fermi International School of Physics aims to promote and disseminate up-to-date information on current developments in various fields of contemporary physics. It has built up a prestigious reputation as a high quality international school, where over the years many famous scientists, including some 24 Nobel Prize winners, have presented their lectures. So far, over 100 courses have been held, covering an impressive range of disciplines and representing some of the most important topics in modern physics, e.g. the physics of the elementary constituents of matter, the scientific and technical developments of solid state and plasma physics, the structure and dynamical properties of atomic nuclei and the cosmological evolution of stars. The Enrico Fermi International School thus plays an essential role in modern physics.

Volume 116

Status and Perspectives of Nuclear Energy: Fission and Fusion

edited by **C. Salvetti, R.A. Ricci** *and* **E. Sindoni**

1992 xxiv + 490 pages
Price: US $200.00 / Dfl.350.00
ISBN 0-444-89425-X

Volume 113

High-Pressure Equations of State: Theory and Applications

edited by **S. Eliezer** *and* **R.A. Ricci**

1991 xvi + 564 pages
Price: US $185.75 / Dfl.325.00
ISBN 0-444-89259-1

Volume 112

Nuclear Collisions from the Mean-Field into the Fragmentation Regime

edited by **C. Detraz** *and* **P. Kienle**

1992 xii + 522 pages
Price: US $182.75 / Dfl.320.00
ISBN 0-444-89426-8

Volume 111

Solid State Astrophysics

edited by **E. Bussoletti** *and* **G. Strazzulla**

1991 xii + 430 pages
Price: US $165.50 / Dfl.290.00
ISBN 0-444-89218-4

Volume 109

Nonlinear Topics in Ocean Physics

edited by **A.R. Osborne**

1991 xx + 1000 pages
Price: US $ 240.00 / Dfl. 420.00
ISBN 0-444-89017-3

Volume 108

Photoemission and Absorption Spectroscopy of Solids and Interfaces with Synchrotron Radiation

edited by **M. Campagna** *and* **R. Rosei**

1990 xiv + 488 pages
Price: US $ 142.75 / Dfl. 250.00
ISBN 0-444-88470-X

Volume 107

The Chemical Physics of Atomic and Molecular Clusters

edited by **G. Scoles**

1990 xviii + 818 pages
Price: US $ 222.75 / Dfl. 390.00
ISBN 0-444-88331-2

Volume 106

Current Trends in the Physics of Materials

edited by **G.F. Chiarotti, F. Fumi** *and* **M.P. Tosi**

1990 xx + 928 pages
Price: US $ 251.50 / Dfl. 440.00
ISBN 0-444-88333-9

A subscription scheme offering 15% discount off the list price per volume is available.

Volume 105

Confrontation between Theories and Observations in Cosmology: Present Status and Future Programmes

edited by **J. Audouze** *and* **F. Melchiorri**

1990 xiv + 456 pages
Price: US $ 208.50 / Dfl. 365.00
ISBN 0-444-87112-8

Volume 104

Frontiers and Borderlines in Many-Particle Physics

edited by **R.A. Broglia** *and* **J.R. Schrieffer**

1988 x + 460 pages
Price: US $ 185.75 / Dfl. 325.00
ISBN 0-444-87113-6

Volume 103

Trends in Nuclear Physics

edited by **P. Kienle, R.A. Ricci** *and* **A. Rubbino**

1989 xvi + 612 pages
Price: US $ 225.75 / Dfl. 395.00
ISBN 0-444-87114-4

In preparation:

Volume 110

Metrology at the Frontiers of Physics and Technology

edited by **L. Crovini** *and* **T.J. Quinn**

1992 about 650 pages
ISBN 0-444-89770-4

Volume 114

Industrial and Technological Applications of Neutrons

edited by **M. Fontana** *and* **F. Rustichelli**

Volume 115

The Use of EOS for Studies of Atmospheric Physics

edited by **J.C. Gille** *and* **G. Visconti**

North-Holland

(Elsevier Science Publishers)
P.O. Box 211,
1000 AE Amsterdam,
The Netherlands

In the USA & Canada:
Elsevier Science Publishers
Attn. Judy Weislogel
P.O. Box 945, Madison Square Station
New York, NY 10160-0757

US $ prices are valid in the USA and Canada. In all other countries, the Dutch Guilder (Dfl.) price is definitive. Customers in the Netherlands please add 6% BTW. In New York State, applicable sales tax should be added. All prices are subject to change without prior notice. 404/b/457c

Enrico Fermi International School of Physics, Volume 114

Industrial and Technological Applications of Neutrons

edited by **M. Fontana** *and* **F. Rustichelli**

1992 xiv + 524 pages ISBN 0-444-89837-9
Price: US $ 219.00 / Dfl. 350.00 Subscription price: US $186.00/Dfl.297.50

This book provides an up-to-date picture of the main results obtained (or obtainable) by means of neutron techniques in applied research. Emphasis is placed on the information and help these techniques can offer in some major areas of condensed-matter physics and materials science and to their possible developments in the near future. The volume is basically organised in topical subjects: for each one a brief introduction to the fundamentals is given, followed by examples of the concrete or potential applications. The first half deals mainly with applications of neutron scattering to materials science (metallurgy, magnetic materials, superconductors), while the second half mainly deals with polymers, micellar fluids, interfaces and liquid crystals.

Contents: Introduction. Basic theory of thermal neutron scattering *(F. Sacchetti)*. Quasi-elastic and inelastic neutron scattering by time-of-flight spectroscopy *(A.J. Dianoux)*. Hydrogen diffusion in metals and alloys *(T. Springer and R. Hempelmann)*. Inelastic neutron scattering *(G. Caglioti)*. Scattering from structural defects *(G. Kostorz)*. Data analysis problems in small-angle scattering experiments on technological alloys *(M. Stefanon)*. Materials for energy production plants *(G. Albertini et al)*. The use of neutron diffraction for the solution of industrial problems *(C.G. Windsor)*. Residual stress and texture measurements: practical applicability *(D. Juul Jensen and T. Lorentzen)*. The structure of oxide ceramics and oxide superconductors by neutron powder diffraction *(A. Hewat)*. Applications of neutron diffraction in magnetism *(O. Moze)*. The application of specular neutron reflection to the study of surfaces and interfaces *(J. Penfold)*. Applications of neutron reflectivity: polymers and magnetism *(G.P. Felcher)*. Solid-surface investigation by grazing-angle neutron reflectometry (GANR) *(M. Mâaza)*. Contrast methods in small-angle neutron scattering. Applications to polymer systems *(L. Auvray)*. Structural studies of micellar solutions and microemulsions by small-angle neutron scattering *(R. Triolo and E. Caponetti)*. Liquid crystals: an introduction to the applications of neutron scattering techniques *(P. Mariani)*. Contrast enhancement methods in neutron radiography *(S. Sh. Shilstein)*. Industrial uses of neutrons *(M.J. Allen)*. Future neutron sources in USA *(G.P. Felcher)*. The advanced neutron source *(J.B. Hayter)*. Outline of a proposal for a new neutron source: the pulsed neutron research facility *(B.S. Brown, J.M. Carpenter and R.L. Kustom)*.

TO ORDER

Contact your regular supplier or:

ELSEVIER SCIENCE PUBLISHERS

P.O. Box 211
1000 AE Amsterdam
The Netherlands

Customers in the USA and Canada:

ELSEVIER SCIENCE PUBLISHING CO. INC.

P.O. Box 882
Madison Square Station
New York, NY 10159, USA

No postage will be added to prepaid book orders. US $ book prices are valid only in the USA and Canada. In all other countries the Dutch guilder (Dfl.) price is definitive. Customers in the European Community should add the appropriate VAT rate applicable in their country to the price(s). In New York State please add applicable sales tax. All prices are subject to change without prior notice.

NORTH-HOLLAND

(AN IMPRINT OF ELSEVIER SCIENCE PUBLISHERS)

415/b/565

Perspectives of Meson Science

edited by **T. Yamazaki, K. Nakai** *and* **K. Nagamine**

1992 xviii + 843 pages Price: US $ 335.00 / Dfl. 535.00 ISBN 0-444-89555-8

Unstable particles such as mesons and muons are now used in various research domains of physics, chemistry, engineering, and life sciences. This book is aimed at summarizing the present exploratory activities and giving future perspectives from a very broad scope. It contains 27 contributions in a wide range of subjects, such as μSR studies of super-conductivities, magnetism, muon beam and μSR methodology, theoretical accounts of muon hyperfine interactions, muon catalyzed fusion processes, metastable exotic atoms, medical diagnostics, strangeness nuclear physics, mesons in nuclei, meson-related nuclear reactions and structure, and exotic decays of mesons.

Contents: Preface. 1. Evolution of meson science in Japan - personal reminiscence of helical movements *(T. Yamazaki)*. 2. Studies of high-T^c superconductor systems by positive and negative muons *(N. Nishida)*. 3. μSR studies on superconductivity: penetration depth and Knight shift *(Y.J. Uemura)*. 4. Progress in experimental studies of muon diffusion *(R. Kadono)*. 5. Quantum diffusion of positive muons in solids *(J. Kondo)*. 6. Hyperfine interactions of μ^+, muonium and μ^- in solids *(H. Akai, K. Terakura and J. Kanamori)*. 7. Muon spin resonance spectroscopy *(K. Nishiyama)*. 8. Recent results in gas phase μSR and muonium chemistry *(at TRIUMF) (D. Fleming and M. Senba)*. 9. Muon level-crossing resonance *(R.F. Kiefl and S.R. Kreitzman)*. 10. μ^+SR in magnetically ordered metals *(A. Seeger and L. Schimmele)*. 11. Experiments on muon catalyzed fusion *(K. Nagamine)*. 12. Coupled-rearrangement-channel calculations of muon catalyzed fusion processes *(M. Kamimura)*. 13. Metastable exotic helium atoms *(R.S. Hayano, M. Iwasaki and T. Yamazaki)*. 14. Towards advanced muon-beam production *(K. Nagamine and K. Ishida)*. 15. Low-energy muon science at the turn of the millenium *(J.H. Brewer)*. 16. New diagnostic methods using muonic X-rays *(K. Sakamoto, Y. Hosoi and K. Nagamine)*. 17. Hypernuclear spectroscopy with stopped K^- *(R.S. Hayano and T. Yamazaki)*. 18. Sigma-hypernuclear systems *(Y. Akaishi)*. 19. Future experimental projects with the superconducting kaon spectrometer *(O. Hashimoto)*. 20. Strangeness nuclear physics *(H. Bando, T. Motoba and J. Zofka)*. 21. Nuclei with double strangeness and H-dibaryon *(K. Imai)*. 22. Studies of hadron-induced reactions with the FANCY spectrometer *(K. Nakai)*. 23. Pion transfer reactions for the study of deeply bound pionic atoms and deltas in nuclei *(H. Toki)*. 24. Strange meson production in relativistic heavy-ion collisions at the BNL-AGS *(S. Nagamiya)*. 25. Strangeness production in high-energy nuclear collisions *(M. Sano and M. Wakai)*. 26. Quark-meson hybrid model for baryon-baryon interaction *(K. Yazaki)*. 27. Search for exotic phenomena in kaon decay - muon polarization in $K_{\mu 2}$ decay, etc. *(J. Imazato)*. Subject index.

TO ORDER

Contact your regular supplier or:

ELSEVIER SCIENCE PUBLISHERS

P.O. Box 211
1000 AE Amsterdam
The Netherlands

Customers in the USA and Canada:

ELSEVIER SCIENCE PUBLISHING CO. INC.

P.O. Box 882
Madison Square Station
New York, NY 10159, USA

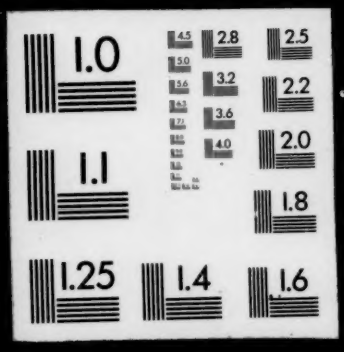
No postage will be added to prepaid book orders. US $ book prices are valid only in the USA and Canada. In all other countries the Dutch guilder (Dfl.) price is definitive. Customers in the European Community should add the appropriate VAT rate applicable in their country to the price(s). In New York State please add applicable sales tax. All prices are subject to change without prior notice.

NORTH-HOLLAND

(AN IMPRINT OF ELSEVIER SCIENCE PUBLISHERS)

415/b/560

0168-9002(1993)321/330*;1-Q


1.0
1.1
1.25
1.4
1.6
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.8